SECOR

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www.secor.com
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400 TEL
916-861-0430 FAX

April 13, 2006

Ms. Colleen Stone
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard Suite A
Santa Rosa, California 95403

RE: **Quarterly Summary and Monitoring Report – First Quarter 2006**
SECOR Project No.: 77CP.60009.02.0220

Dear Ms. Stone:

On behalf of ConocoPhillips, SECOR International Incorporated (SECOR) is forwarding the quarterly summary report for the following location:

Service Station	**Location**
Former Bulk Plant No. 0220	720 North Franklin Street Fort Bragg, California

Sincerely,
SECOR International Incorporated

Thomas M. Potter
Project Scientist

Attachments: SECOR's *Quarterly Summary Report – First Quarter 2006*

cc: Mr. Thomas Kosel, ConocoPhillips
Mr. David Smith, Mendocino Coast Petroleum, Inc. 720 N Franklin St. Fort Bragg, CA 95437
Mendocino County Health Department, 501 Low Gap Road, Room 1326, Ukiah, CA 95482

QUARTERLY SUMMARY REPORT
First Quarter 2006

Former Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

City/County ID #: Fort Bragg

County: Mendocino

SITE DESCRIPTION

The site is located near the north end of the city of Fort Bragg at the corner of Franklin Street and Spruce Street. Pudding Creek is located approximately 1,200 feet north of the site, and the Pacific Ocean is located approximately 2,400 feet west of the site. The facility was built in 1924 and currently consists of a storehouse, an office, a drum storage and filling area, five above ground storage tanks (ASTs), a pump area, and loading racks. Former components of the facility included two 550-gallon underground spill contaminant tanks (SCTs) used to collect overflow spillage and overflow spillage with waste oil respectively, and a pump area. Product was historically supplied to the bulk plant by rail and for the past 30 years by truck. There are two separate unloading racks; one was to service rail cars (currently not in use) and the other to service trucks. Both the train and truck unloading racks serviced the bulk storage ASTs and loading rack via underground pipelines. The tank farm has a capacity of 85,000 gallons of storage with four 20,000-gallon ASTs and one 5,000-gallon AST.

PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

In September 1988, Kaprealian Engineering Incorporated (KEI) conducted a preliminary site investigation that included the installation of six borings for soil and groundwater sampling (EB-1 through EB-6). The borings were advanced to a total depth ranging from 17 to 19 feet below ground surface (bgs). Total petroleum hydrocarbons with gasoline distinction (TPHg) and total petroleum hydrocarbons with diesel distinction (TPHd) were detected in soil and groundwater at concentrations ranging from 80 milligrams per kilogram (mg/kg) to 340 mg/kg, respectively.

On January 23, 1989, KEI oversaw the installation of four monitoring wells (MW-1 through MW-4) at the site. The wells were installed at depths ranging from 20 to 25.5 feet bgs. Groundwater was encountered at depths ranging from 10.5 to 14 feet bgs. All soil samples taken from the monitoring wells recorded non detectable concentrations of TPHg, TPHd, benzene, toluene, ethyl-benzene and total xylenes (collectively BTEX) except the ten foot sample from MW-4 which recorded a concentration of 790 mg/kg of TPHg. Groundwater samples taken from the wells contained concentrations of benzene ranging from 4.1 to 87 micrograms per liter (µg/L), concentrations of TPHg ranging from 2800 to 8800 µg/L, and concentrations of TPHd ranging from 1900 to 160,000 µg/L.

On March 29, 1989, KEI oversaw the installation of five additional monitoring wells (MW-5 through MW-9) at the site. The wells were installed at depths ranging from 18 to 20 feet bgs. Groundwater was encountered at depths ranging from 9 to 15.5 feet bgs. Soil samples from the borings were analyzed for TPHg, TPHd, and BTEX. TPHg was found in the 10-foot sample from MW-5 at a concentration of 1.1 mg/kg. TPHd was detected in soil from MW-6 at a concentration of 400 mg/kg.

On July 26, 1989, KEI oversaw the installation of two additional monitoring wells (MW-10 and MW-11) at the site. The wells were installed at depths ranging from 19 to 20 feet bgs. Soil samples from the borings were analyzed for TPHg, TPHd, and BTEX. TPHg and TPHd were found in the 13-foot sample from MW-11 at concentrations of 31 mg/kg and 120 mg/kg, respectively. Groundwater samples taken from the MW-10 and MW-11 contained TPHd at concentrations of 180 µg/L and 540 µg/L, respectively.

On September 1, 1995, KEI oversaw the installation of one additional groundwater monitoring well (MW-12) at the site. The well was installed at a depth of 19 feet bgs. Soil samples from the borings were analyzed for TPHg, TPHd, and BTEX. All soils recorded non-detectable concentrations of all analytes. Groundwater samples taken from the well contained TPHg, TPHd, benzene, toluene, and ethylbenzene at concentrations of 430 µg/L, 220 µg/L, 7.2 µg/L, 51 µg/L, and 12 µg/L, respectively.

In December 1996, KEI oversaw the removal of two 550 gallon spill containment tanks. During the excavation, KEI conducted a limited excavation around the vicinity of the tanks. In February 1997, Pacific Environmental Group (PEG) conducted a Phase I site assessment of the site. To follow up with this assessment, on September 25, 1997, PEG oversaw the advancement of five soil borings (SB-1 through SB-4 and HB-1). The borings were advanced to depths ranging from 17.7 to 35 feet bgs. Soil samples analyzed from HB-1, SB-1, and SB-4 contained relatively low concentrations of TPHg and TPHd. The highest concentration of TPHg (37 mg/kg) and TPHd (28 mg/kg) were seen in the five-foot sample taken from SB-1.

In February 1998, the quarterly monitoring activities at the site were taken over by Gettler-Ryan (GRI).

In September 1998, SHN Consulting Engineers & Geologists Inc. (SHN) prepared an interim corrective action plan (ICAP) for the site. In the ICAP, SHN recommended the installation of a supplemental oxygen source to enhance bioremediation processes at the site.

On April 12, 1999, SHN performed an additional subsurface investigation at the site. During the investigation, ten soil borings (SB-101 through SB-110) were advanced and abandoned, aquifer slug tests were performed on existing groundwater monitoring wells, and petroleum hydrocarbon fingerprinting was performed on the groundwater from the site. Based on the results of these three tests, SHN recommended the installation of a biosparge system.

During May and June of 2000, SHN supervised the installation of one bioventing test well, two biosparge wells, and three bioventing observations wells. A bioventing pilot test and a biosparge pilot test were conducted to determine the effectiveness of each method for site

remediation. Based on the results of the pilot tests, the anticipated radius of influence for a bioventing system is 30 feet per well.

On December 5, 2002, SHN recommended the installation of 7 additional bioventing wells and 20 additional ozone sparge points at the site.

On October 8 and 9, 2003, SHN oversaw the installation of biovent wells (BV-2 through BV-8).

On October 7 through 10, 2004, SHN oversaw the installation of 20 ozone sparge wells (SP-1 through SP-20). Soil samples were analyzed from all the borings. The highest concentrations of hydrocarbons were found in soils taken from SP-7 and SP-18.

FIRST QUARTER 2006 SUMMARY

Quarterly groundwater monitoring and sampling was conducted by TRC on February 2, 2006 in accordance with RWQCB-NCR MRP No. R1-2003-0107 (Attachment 1). The current groundwater monitoring network consists of six onsite wells (MW-1 through MW-4, MW-6 and MW-7) and six offsite wells (MW-5 and MW-8 through MW-12) located in Spruce Street and Franklin Street. Soil borings and well construction details are presented in Table 1. Wells MW-2, MW-3, MW-5, MW-10 and MW-12 are sampled semi-annually (first and third quarters). Wells MW-6, MW-7, and MW-9 are sampled annually, and wells MW-1, MW-4, MW-8, and MW-11 are sampled quarterly. All wells will be monitored for depth to groundwater quarterly. The monitoring and sampling plan is summarized in Table 2.

During the first quarter 2006, depth to groundwater was gauged in each monitoring well. In accordance with the Monitoring Reporting Program (MRP), groundwater samples from each monitoring well are monitored quarterly for dissolved oxygen, dissolved carbon dioxide, oxidation-reduction potential, pH, temperature and conductivity. The samples were also analyzed for TPHg total purgeable petroleum hydrocarbons (TPPH), BTEX, and methyl tertiary butyl ether (MtBE). Additionally, the headspace in each monitoring well was monitored quarterly for percent oxygen, percent carbon dioxide, and percent organic vapor.

Historical groundwater elevation and analytical data through the first quarter 2006, TRC's monitoring and sampling procedures, certified laboratory analytical report, chain-of-custody documentation, field data sheets, and waste water disposal procedures are presented in TRC's *Quarterly Monitoring Report January Through March 2006*, dated March 15, 2006, included in Attachment 2. A summary of the first quarter 2006 groundwater monitoring and sampling results is presented below.

FIRST QUARTER 2006 MONITORING AND SAMPLING RESULTS

Groundwater Monitoring and Gradient Data

Depth to groundwater in the twelve site wells ranged from approximately 7.36 feet (MW-10) to 9.92 feet bgs (MW-4). Groundwater levels reported during the first quarter 2006 were consistent with historical levels, which have ranged between 5.08 feet and 24.87 feet bgs. Groundwater elevations in the site wells during the first quarter 2006 ranged from approximately 67.54 feet (MW-10) above mean sea level (msl) to 74.86 feet above msl

(MW-5). Regional groundwater flow during the first quarter 2006 was northwesterly at a hydraulic gradient of 0.03 feet per foot, which is consistent with the groundwater flow direction and hydraulic gradient data reported over previous quarters (Table 3). A regional groundwater elevation contour map was prepared by TRC using monitoring data collected on February 2, 2006 and is presented in Attachment 2.

Groundwater Quality Data

Groundwater samples were collected from wells MW-1 through MW-12 on February 2, 2006. Groundwater analytical results and TPHd and TPPH isoconcentration maps are included in TRC's *Quarterly Monitoring Report January Through March 2006*, dated March 15, 2006 (Attachment 2).

The dissolved plume within the shallow zone continues to be centered around the former ASTs located on the north edge of the property. The heart of the plume is centered at MW-8 and MW-4. Concentrations of TPHg, TPHd, BTEX, and MtBE this quarter were generally consistent with historical levels.

The highest concentrations of petroleum hydrocarbons were detected in well MW-4 during the first quarter 2006. During the first quarter 2006, the groundwater sample collected from MW-4 had site maximum concentrations of TPPH (540 ug/L) and TPHd (18,000 ug/L). The concentrations of TPPH and TPHd were generally consistent with historical values. MtBE and BTEX were not detected in any wells sampled during this period. These results are consistent with recent stable trends. Sample parameters are presented in Table 4.

Remediation Compliance Sampling

During the first quarter 2006, SHN sampled MW-1, MW-4, and MW-8 on January 30, 2006, February 16, 2006, and March 8, 2006. MW-1 had concentrations of diesel at 340 µg/L (1/30/06) and 63 µg/L (3/8/06), and gasoline range organics (GRO) at concentrations of less than 50 mg/L for the entire quarter. MW-4 had concentrations of diesel at 930 µg/L (1/30/06), 1,100 µg/L (3/8/06), and GRO at a concentration of 370 µg/L (1/30/06), 660 µg/L (2/16/06), and 790 µg/L (3/8/06). MW-8 had concentrations of diesel at 1,800 µg/L (1/30/06), 1,900 µg/L (3/8/06), and GRO at a concentration of 180 µg/L (2/16/06), 160 µg/L (3/8/06). The field notes, certified laboratory analytical report and chain-of-custody documentation are included as Attachment 3.

Plume Status

In the most recent samples collected from each well, petroleum hydrocarbons in shallow groundwater were detected at MW-1, MW-4, MW-8, MW-10, MW-11 and MW-12. The extent of dissolved petroleum hydrocarbons in shallow groundwater is defined downgradient (northwest), except for TPHd at MW-10, and cross-gradient (southwest-northeast) of the site at MW-6 and MW-5. The extent of dissolved petroleum hydrocarbons in shallow groundwater has been defined upgradient of well MW-4 by no detected concentrations of petroleum hydrocarbons in MW-5.

MtBE has been detected in both on-site and off-site wells. Generally, detection is sporadic,

at low concentrations, and limited to on-site wells MW-1 and MW-2 and offsite wells MW-8 through MW-12. Most recently, the highest recorded concentration of MtBE in these wells was 43 µg/L reported in November 2004 at MW-10. Since that time, MtBE concentrations in all wells has declined.

BTEX have also been detected in both on-site and off-site wells. Generally, detection is sporadic and concentrations are low. BTEX were not detected in the most recent sample collected from each well.

STATUS OF REMEDIAL ACTION

The system experienced electrical damage on August 9, 2005, and remained non operational through the first quarter 2006. SECOR is evaluating options to repair or replace this remediation system. Remedial system field data sheets for the Ozone System are included in Attachment 3. Operational data for the Ozone System are summarized in Table 5. Ozone injection - groundwater monitoring data is summarized in Table 6. Concentration vs. Time Graphs for the Ozone Injection Monitoring Wells can be found in Attachment 4.

WASTE DISPOSAL

The volume of purged groundwater generated and disposed during the quarterly groundwater monitoring event is documented in TRC's Quarterly *Monitoring Report, January Through March 2006* dated March 15, 2006 (Attachment 2).

RECENT SUBMITTALS/CORRESPONDENCE

SECOR's: *Quarterly Summary Report – Fourth Quarter 2005* dated January 24, 2006.

SECOR's: 2005 Annual Summary and Monitoring Report dated March 9, 2006.

WORK COMPLETED IN FIRST QUARTER 2006

1. TRC performed quarterly groundwater monitoring and sampling at the site.
2. SECOR prepared and submitted fourth quarter 2005 quarterly summary and monitoring report.
3. SECOR performed operations and maintenance of the ozone and biovent systems.

PROPOSED ACTIVITIES FOR SECOND QUARTER 2006

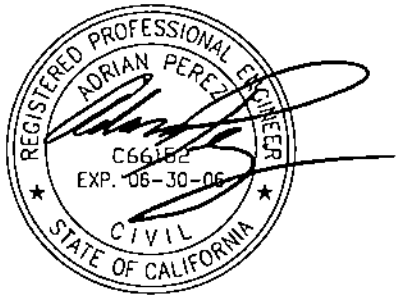
1. TRC to conduct groundwater monitoring and sampling.
2. SECOR to prepare and submit quarterly summary report.
3. SECOR to perform operations and maintenance on the ozone and biovent systems.
4. SECOR to evaluate options of repair or replacement of ozone system.

LIMITATIONS

This report presents our understanding of existing conditions at the subject site. The conclusions contained herein are based on the analytical results, and professional judgment in accordance with current standards of professional practice; no other warranty is expressed or implied. SECOR assumes no responsibility for exploratory borings or data reported by other consultants or contractors.

Sincerely,
SECOR International Incorporated

Adrian Pérez, P.E.
Associate Engineer



Ben McKenna
Project Geologist

Attachments:

	Table 1	Soil Boring and Well Construction Details
	Table 2	Monitoring and Sampling Plan
	Table 3	Historical Groundwater Flow Direction and Gradient Data
	Table 4	Sample Parameters
	Table 5	Ozone Injection – System Operation Data
	Table 6	Ozone Injection – Groundwater Monitoring Data

Attachment 1	RWQCB-NCR MRP No. R1-2003-0107
Attachment 2	TRC's *Quarterly Monitoring Report January through March,* dated March 15, 2006
Attachment 3	Field data sheets and Certified Laboratory Analytical Report and Chain-of-Custody Documentation
Attachment 4	Concentration vs. Time Graphs – Ozone Injection Monitoring Wells

TABLES

Table 1
Soil Boring and Well Construction Details

Former Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Well I.D.	Date Installed	TOC/ PVC Elevation (feet, MSL)	Ground Surface Elevation (feet, MSL)	Well			Well Screen				Filter Pack Top (feet, bgs)	Filter Pack Top (feet, MSL)	Filter Pack Bottom (feet, bgs)	Filter Pack Bottom (feet, MSL)	Bentonite Top (feet, bgs)	Bentonite Top (feet, MSL)	Bentonite Bottom (feet, bgs)	Bentonite Bottom (feet, MSL)
				Depth		Diameter	Top		Bottom									
				(feet, bgs)	(feet, MSL)	(inches)	(feet, bgs)	(feet, MSL)	(feet, bgs)	(feet, MSL)								
MW-1	01/23/89	--	--	20.5	--	2	10.5	--	20.5	--	8	--	20.5	--	6	--	8	--
MW-2	01/24/89	--	--	25.5	--	2	10.5	--	25.5	--	8	--	25.5	--	6	--	8	--
MW-3	01/24/89	--	--	22.0	--	2	10.0	--	22	--	8	--	22	--	6	--	8	--
MW-4	01/24/89	--	--	20	--	2	10.0	--	20	--	8	--	20	--	6	--	8	--
MW-5	03/29/89	--	--	20	--	2	10.0	--	20	--	8	--	20	--	6	--	8	--
MW-6	03/29/89	--	--	18.0	--	2	8.0	--	18	--	8	--	18	--	6	--	8	--
MW-7	03/29/89	--	--	18.0	--	2	8.0	--	18	--	8	--	18	--	6	--	8	--
MW-8	03/29/89	--	--	18.0	--	2	8.0	--	18.0	--	6	--	18	--	4	--	6	--
MW-9	03/29/89	--	--	19.0	--	2	9.0	--	19.0	--	7	--	19	--	5	--	7	--
MW-10	7/26/89	--	--	19	--	2	4.0	--	19.0	--	3	--	19	--	1	--	3	--
MW-11	7/26/89	--	--	20	--	2	4.0	--	20.0	--	3	--	20	--	1	--	3	--
MW-12	9/1/95	--	--	20.0	--	2	4.0	--	19.0	--	3	--	19	--	2	--	3	--

Explanations:

feet, MSL = Elevation in feet relative to mean sea level.

TOC = Top of well casing.

bgs = Below ground surface.

PVC = Polyvinyl chloride.

-- = Data unavailable

Table 2
Monitoring and Sampling Plan
ConocoPhillips Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Well ID	First Quarter MRP No. R1-2003-0107		Second & Fourth Quarters MRP No. R1-2003-0107		Third Quarter MRP No. R1-2003-0107		Work Completed During Third Quarter		Work Completed During Fourth Quarter	
	Monitor DTW	Sample	Monitor DTW	Sample	Monitor DTW	Sample	Monitor DTW	Sample	Monitor DTW	Sample
MW-1	1	1	1		1	1	1	1	1	1
MW-2	1	1	1		1	1	1	1	1	
MW-3	1	1	1		1	1	1	1	1	
MW-4	1	1	1	1	1	1	1	1	1	1
MW-5	1	1	1		1	1	1	1	1	
MW-6	1	1	1		1		1		1	
MW-7	1	1	1		1		1		1	
MW-8	1	1	1	1	1	1	1	1	1	1
MW-9	1	1	1		1		1		1	
MW-10	1	1	1		1	1	1	1	1	
MW-11	1	1	1	1	1	1	1	1	1	1
MW-12	1	1	1		1	1	1	1	1	
Totals	12	12	12	3	12	9	12	9	12	4

Table 3
Historical Groundwater Flow Direction and Gradient Data

ConocoPhillips Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Date	Average Groundwater Flow Direction	Average Gradient (ft/ft)
2/19/1999	NW	0.02
5/19/1999	NW	0.02
8/5/1999	WNW	0.03
11/24/1999	NW	0.04
2/15/2000	NW	0.02
3/11/2000	NW	0.02
8/9/2000	WNW	0.01 to 0.06
11/27/2000	WNW	0.01 to 0.04
2/14/2001	NW	0.02 to 0.07
5/11/2001	NW	0.01 to 0.03
8/9/2001	NW	0.01 to 0.05
11/30/2001	NW	0.02 to 0.04
2/7/2002	NW	0.01 to 0.03
5/10/2002	NW	0.01 to 0.04
8/15/2002	NW	0.02 to 0.04
11/14/2002	NW	0.02 to 0.06
2/13/2003	WNW	0.01 to 0.03
5/16/2003	NW	0.01 to 0.02
8/12/2003	NNW	0.01 to 0.07
12/22/2003	NW	0.02
2/24/2004	NW	0.02
5/6/2004	NW	0.02
8/4/2004	NW	0.02
11/10/2004	NW	0.02
2/3/2005	NW	0.02
5/5/2005	NW	0.02
8/4/2005	NW	0.02
11/3/2005	NW	0.025
2/2/2006	**NW**	**0.03**

Notes:

ft/ft	Feet per foot
NW	Northwest
WNW	West Northwest
NNW	North Northwest

Historical groundwater flow directions above are interpreted by SECOR based on a review of historical figures created by Gettler-Ryan Inc. and TRC.

Table 4
Sample Parameters

Former Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Date Sampled	Pre-Purge Dissolved Oxygen (mg/l)	Post Purge Dissolved Oxygen (mg/l)	Dissolved Carbon Dioxide (mg/l)	Oxidation Reduction Potential	Conductivity (µS/cm)	Temp (°C)	pH	Head Space Carbon Dioxide (%)	Head Space Oxygen (%)	Head Space Organic Vapor (ppm)	Nitrate, NO_3 (mg/l)	Sulfate, SO_4 (mg/l)	Ferrous Iron, Fe^{+2} (mg/l)
MW-1													
08/22/95	–	–	–	–	–	–	–	–	–	–	–	–	–
05/19/99	0.18	0.21	–	–	–	–	–	–	–	–	–	–	–
08/05/99	3.70	2.35	–	–	–	–	–	–	–	–	–	–	–
02/15/00	3.85	3.76	–	34	–	–	–	–	–	–	–	–	–
08/09/00	4.09	4.48	5.5	180	–	–	–	–	–	–	–	–	–
05/06/04	4.63	–	–	155	–	–	–	–	–	–	–	–	–
08/04/04	4.63	–	–	14	–	–	–	–	–	–	–	–	–
02/03/05	2.20	–	15	30	338	21.3	5.89	0.60	21.60	0.00	–	–	–
05/05/05	2.08	–	8	121	270	14.9	5.89	0.10	20.90	0.00	–	–	–
08/04/05	1.82	–	18	190	156	14.9	5.83	0.10	20.90	0.00	–	–	–
11/03/05	2.65	–	5	-035	189	14.8	6.07	0.00	20.90	0.00	–	–	–
02/02/06	1.66	1.83	13	100	323	14.6	6.04	0.00	20.90	1.60	–	–	–
MW-2													
08/22/95	–	–	–	–	–	–	–	–	–	–	–	–	–
05/19/99	0.28	0.32	–	–	–	–	–	–	–	–	–	–	–
08/05/99	6.37	6.86	2	66.1	–	–	–	–	–	–	9.2	15	–
02/15/00	7.87	8.05	–	213	–	–	–	–	–	–	–	–	–
08/09/00	6.58	6.52	ND	254	–	–	–	–	–	–	–	–	–
02/24/04	7.49	–	35	174	–	–	–	–	–	–	–	–	–
05/06/04	6.32	–	–	163	–	–	–	–	–	–	–	–	–
08/04/04	4.26	–	–	10	–	–	–	–	–	–	–	–	–
02/03/05	5.77	–	3	124	173.6	23.1	6.05	1.00	20.70	0.00	–	–	–
05/05/05	5.54	–	3	093	–	–	–	0.60	20.20	0.00	–	–	–
08/04/05	5.46	–	6	208	151	15.0	6.15	0.00	20.90	0.00	–	–	–
11/03/05	4.19	–	8	011	190.5	15.1	5.89	0.00	20.90	0.00	–	–	–
02/02/06	3.47	2.71	7	092	246	15.6	6.16	0.00	20.90	0.00	–	–	–
MW-3													
08/22/95	–	–	–	–	–	–	–	–	–	–	–	–	–
05/19/99	0.28	0.38	–	–	–	–	–	–	–	–	–	–	–
08/05/99	5.30	5.11	–	–	–	–	–	–	–	–	–	–	–
02/15/00	6.50	6.40	–	213	–	–	–	–	–	–	–	–	–
08/09/00	4.88	5.05	ND	248	–	–	–	–	–	–	–	–	–
02/24/04	3.19	–	50	173	–	–	–	–	–	–	–	–	–
05/06/04	3.75	–	–	165	–	–	–	–	–	–	–	–	–
08/04/04	4.21	–	–	10	–	–	–	–	–	–	–	–	–
11/10/04	3.20	–	–	–	–	–	–	–	–	–	–	–	–
02/03/05	3.87	–	6	48	191.9	22.5	6.04	0.30	21.60	0.00	–	–	–
05/05/05	4.02	–	4	85	–	–	–	0.20	20.90	0.00	–	–	–
08/04/05	3.20	–	10	212	173	15.0	7.46	0.20	20.90	0.00	–	–	–
11/03/05	3.38	–	6	025	196	15.7	6.00	0.00	20.90	0.00	–	–	–
02/02/06	2.66	2.14	6	049	214	15.3	6.11	0.00	20.90	0.00	–	–	–
MW-4													
08/22/95	–	–	–	–	–	–	–	–	–	–	–	–	–
05/19/99	0.18	0.17	1.7	68.5	–	–	–	–	–	–	ND	2.6	–
08/05/99	1.22	1.30	4.2	48.2	–	–	–	–	–	–	ND	2.3	–
11/24/99	3.81	4.55	16	474	–	–	–	–	–	–	ND	5.7	–
02/15/00	6.21	5.76	–	56	–	–	–	–	–	–	43	11	–
05/11/00	4.90	4.01	5.2	94	–	–	–	–	–	–	ND	2.7	–
08/09/00	3.22	3.09	6.9	34	–	–	–	–	–	–	ND	4.5	–
11/27/00	2.75	2.70	ND	46	–	–	–	–	–	–	ND	7.4	–
02/14/01	6.8	3.2	22	63	–	–	–	–	–	–	ND	13	–
05/11/01	5.2	3.4	7.5	44	–	–	–	–	–	–	0.206	5.3	–
08/09/01	6.4	3.3	12	54	–	–	–	–	–	–	<1.0	3.3	–
11/30/01	5.7	3.4	21	55	–	–	–	–	–	–	0.33	12	–
02/07/02	2.5	3.3	11	83	–	–	–	–	–	–	<0.200	8.2	–
05/10/02	1.1	–	18	61	–	–	–	–	–	–	0.27	4.6	–
08/15/02	2.6	–	20	-15	–	–	–	–	–	–	<0.89	1.7	–
11/14/02	1.6	–	27	106	–	–	–	–	–	–	<0.20	3.1	–
02/13/03	1.4	–	11	18	–	–	–	–	–	–	<0.20	8.8	–
05/16/03	1.4	–	13	55	–	–	–	–	–	–	2	15	–
08/12/03	1.3	–	39	30	–	–	–	–	–	–	<1.0	1.3	–
05/06/04	4.51	–	–	10	–	–	–	–	–	–	–	–	–
08/04/04	4.64	–	–	9	–	–	–	–	–	–	<1.0	5.1	3.3
11/10/04	1.48	–	–	–	–	–	–	–	–	–	–	–	–
02/03/05	1.21	–	11	16	295	20.1	6.02	0.10	21.60	0.00	1.1	76	2.4

Table 4
Sample Parameters

Former Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Date Sampled	Pre-Purge Dissolved Oxygen (mg/l)	Post Purge Dissolved Oxygen (mg/l)	Dissolved Carbon Dioxide (mg/l)	Oxidation Reduction Potential (mV)	Conductivity (µS/cm)	Temp (°C)	pH	Head Space Carbon Dioxide (%)	Head Space Oxygen (%)	Head Space Organic Vapor (ppm)	Nitrate, NO_3 (mg/l)	Sulfate, SO_4 (mg/l)	Ferrous Iron, Fe (II) (mg/l)
05/05/05	0.84	–	15	147	218	14.5	6.07	0.00	20.90	0.00	–	–	–
08/04/05	1.53	–	27	189	162	14.4	6.08	0.10	20.90	0.00	<1.0	12	0.41
11/03/05	1.20	–	6	066	287	14.6	5.14	0.00	20.90	2.50	--	–	--
02/02/06	1.01	–	9	99	282	14.5	5.60	0.09	20.90	2.10	6.4	22	--
MW-5													
08/22/95	–	–	–	–	–	–	–	--	–	--	--	--	–
05/19/99	0.32	0.38	–	–	–	–	–	--	–	--	--	--	–
08/05/99	6.94	4.31	–	–	–	–	–	--	--	--	--	--	–
02/15/00	9.11	8.96	–	129	–	–	--	--	--	--	--	--	–
08/09/00	6.45	4.90	5.70	94	--	--	--	--	--	--	--	--	–
05/06/04	3.29	--	--	166	--	--	--	--	–	--	--	--	--
08/04/05	2.77	--	21	37	167.8	15.0	5.75	0.10	20.90	0.00	--	--	--
11/03/05	3.48	--	6	-014	173.5	13.8	5.95	0.00	20.90	0.00	--	–	--
02/02/06	5.24	3.73	12	087	200	14.6	6.16	0.00	20.90	0.00	--	--	–
MW-6													
08/22/95	–	–	–	–	–	–	–	–	–	–	–	–	--
05/19/99	0.32	0.32	–	–	–	–	–	–	–	–	–	–	–
08/05/99	5.11	5.10	–	–	–	--	--	–	--	--	--	--	–
02/15/00	6.23	5.90	--	203	--	--	--	--	--	--	--	--	–
08/09/00	7.06	6.84	ND	266	--	--	--	--	--	--	--	--	–
02/24/04	2.19	--	60.00	170	--	--	--	--	--	--	--	--	–
05/06/04	1.59	–	--	210	--	--	--	--	--	--	--	–	–
02/03/05	1.71	–	13	21	203.5	22.7	6.09	0.40	21.70	0.00	–	--	--
05/05/05	1.65	–	6	98	--	--	--	0.50	20.90	0.00	–	–	--
08/04/05	4.44	–	7	203	165	16.0	6.02	0.10	20.90	0.00	–	–	--
11/03/05	4.09	–	7	015	199.1	15.8	6.05	0.00	20.90	0.00	--	–	--
02/02/06	1.01	2.22	8	087	202	16.4	6.14	0.00	20.90	0.00	–	–	--
MW-7													
08/22/95	–	--	--	--	--	--	–	–	–	–	–	–	–
05/19/99	0.38	0.51	1.6	50.1	--	–	–	–	–	–	2.9	12	–
02/15/00	7.95	8.56	--	228	–	–	–	–	–	--	9.4	12	–
02/14/01	6.4	7.3	12	294	–	–	–	–	--	--	7.3	14	–
02/07/02	6.5	6.8	ND<10	233	–	–	--	–	--	--	3.4	13	–
02/13/03	5.6	–	ND<10	65	--	–	--	--	--	--	5	14	--
02/24/04	5.57	–	35	223	--	--	--	--	--	--	--	–	--
05/06/04	5.34	–	–	209	–	--	--	--	--	--	–	–	--
02/03/05	6.57	–	3.00	98	183.7	21.7	5.93	0.30	21.60	0.00	–	–	--
05/05/05	4.60	–	5	088	--	--	--	0.00	20.90	0.00	–	–	--
08/04/05	3.17	–	8	161	161	15.0	5.89	0.10	20.90	0.00	–	–	--
11/03/05	3.36	–	9	-013	240	15.5	6.05	0.00	20.90	0.00	–	–	--
02/02/06	4.46	3.72	5	089	187.2	16.6	6.09	0.00	20.90	0.00	--	–	--
MW-8													
08/22/95	--	–	–	–	–	–	–	--	--	--	--	--	--
05/19/99	0.04	0.10	2.1	13.1	–	--	--	--	--	--	ND	2.9	--
08/05/99	0.57	2.00	3.6	48.8	--	--	--	--	--	--	ND	7.6	--
11/24/99	4.87	5.21	17	523	--	--	--	--	--	–	ND	13	--
02/15/00	4.94	3.52	--	6	--	--	–	–	--	–	4.1	5	--
05/11/00	5.56	2.92	6.2	77	–	–	–	–	–	–	ND	1.2	--
08/09/00	2.45	2.44	7.5	52	–	–	–	–	–	–	ND	9.4	–
11/27/00	1.95	2.16	5.3	64	–	–	–	–	–	–	ND	11	–
02/14/01	4.1	3.2	20	62	–	–	–	–	--	--	ND	7.1	--
05/11/01	4.1	3.4	9.5	61	–	–	–	--	--	--	ND	11	–
08/09/01	5.5	4.8	10	55	--	--	--	--	--	--	<1.0	8.9	–
11/30/01	5.4	5.0	16	49	--	--	--	--	--	--	<0.20	16	–
02/07/02	2.5	3.0	13	57	--	--	--	--	--	--	0.54	6.5	–
05/10/02	1.3	–	12	81	--	--	--	--	--	--	<0.20	4.4	–
08/15/02	2.6	–	12	2	--	--	--	--	--	--	<0.89	8.2	–
11/14/02	1.6	--	20	170	--	--	--	--	--	--	<0.20	29	–
02/13/03	1.5	--	11	-15	--	--	--	--	--	--	0.33	3.4	–
05/16/03	1.0	--	ND<10	60	--	--	--	–	--	--	<1.0	5.9	–
08/12/03	1.4	--	35	50	–	–	–	–	--	--	<1.0	5.7	–
02/24/04	1.24	--	95	1	–	–	–	–	--	--	--	--	–
05/06/04	5.02	–	–	-55	–	–	–	–	--	--	--	--	–
08/04/04	4.66	–	–	-83	–	–	–	–	–	–	--	--	–
11/10/04	2.08	–	–	–	–	–	–	–	–	–	--	--	–
02/03/05	2.28	--	76	96	665	14.6	5.49	0.30	21.60	2.30	–	–	--

Table 4
Sample Parameters

Former Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Date Sampled	Pre-Purge Dissolved Oxygen (mg/l)	Post Purge Dissolved Oxygen (mg/l)	Dissolved Carbon Dioxide (mg/l)	Oxidation-Reduction Potential (mV)	Conductivity (µS/cm)	Temp (°C)	pH	Head Space Carbon Dioxide (%)	Head Space Oxygen (%)	Head Space Organic Vapor (ppm)	Nitrate, NO_3 (mg/l)	Sulfate, SO_4 (mg/l)	Ferrous Iron, Fe (II) (mg/l)
05/05/05	0.79	--	34	-101	372	15.5	6.24	0.00	20.90	0.00	--	--	--
08/04/05	2.54	--	23	-30	354	15.8	6.47	0.00	20.90	50.10	--	--	--
11/03/05	1.67	--	7	004	269	15.0	5.87	0.00	20.90	0.00	--	--	--
02/02/06	4.39	4.11	13	036	210	13.7	6.65	0.00	20.80	0.00	--	--	--
MW-9													
08/22/95	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/99	0.82	0.64	--	43.9	--	--	--	--	--	--	--	--	--
08/05/99	10.01	2.15	--	--	--	--	--	--	--	--	--	--	--
02/15/00	8.01	6.36	--	209	--	--	--	--	--	--	--	--	--
08/09/00	6.11	4.69	6.2	221	--	--	--	--	--	--	--	--	--
02/24/04	4.14	--	50	164	--	--	--	--	--	--	--	--	--
05/06/04	3.92	--	--	146	--	--	--	--	--	--	--	--	--
02/03/05	5.21	--	9	32	190.6	17.9	5.86	2.00	21.10	0.00	--	--	--
05/05/05	4.13	--	9	-50	--	--	--	1.10	18.60	0.00	--	--	--
08/04/05	6.42	--	25	127	191	16.7	6.29	0.02	20.90	0.20	--	--	--
11/03/05	3.96	--	9	116	221	15.2	6.70	0.00	20.90	0.00	--	--	--
02/02/06	3.67	2.89	12	113	250	15.6	6.22	0.00	20.80	0.00	--	--	--
MW-10													
08/22/95	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/99	0.63	0.65	2.2	19.1	--	--	--	--	--	--	3.3	12	--
08/05/99	3.06	1.45	3.6	55.2	--	--	--	--	--	--	ND	7.9	--
02/15/00	6.28	8.14	--	225	--	--	--	--	--	--	6.2	14	--
08/09/00	2.82	3.53	6.4	106	--	--	--	--	--	--	ND	10	--
02/14/01	3.7	4.7	15	168	--	--	--	--	--	--	ND	12	--
08/09/01	3.4	4.4	12	154	--	--	--	--	--	--	<1.0	11	--
02/07/02	4.5	5.6	13	170	--	--	--	--	--	--	1.1	13	--
08/15/02	2.5	--	13	-15	--	--	--	--	--	--	<0.89	9.7	--
02/13/03	4.6	--	ND<10	81	--	--	--	--	--	--	2.2	17	--
08/12/03	2.1	--	35	151	--	--	--	--	--	--	<1.0	12	--
02/24/04	5.93	--	45	181	--	--	--	--	--	--	--	15	<0.20
05/06/04	5.13	--	--	179	--	--	--	--	--	--	--	--	--
08/04/04	0.00531	--	--	-40	--	--	--	--	--	--	<1.0	11	1.4
11/10/04	2.32	--	--	--	--	--	--	--	--	--	--	--	--
02/03/05	4.1	--	16	75	297	16.2	5.84	0.60	21.90	0.00	6	45	<0.20
05/05/05	5.23	--	6	45	--	--	--	0.10	20.90	0.00	--	--	--
08/04/05	1.53	--	20	41	283	17.8	5.90	0.20	20.90	0.00	<1.0	45	0.65
11/03/05	1.91	--	6	-025	275	16.3	6.06	0.00	20.90	0.00	--	--	--
02/02/06	5.05	2.74	8	108	361	14.4	6.13	0.00	20.90	0.00	8.4	21	--
MW-11													
08/22/95	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/99	0.22	0.20	1.9	66.7	--	--	--	--	--	--	3.9	11	--
08/05/99	1.16	2.08	3.3	46.3	--	--	--	--	--	--	ND	9.6	--
11/24/99	5.71	6.33	11	533	--	--	--	--	--	--	5	11	--
02/15/00	6.08	6.66	--	185	--	--	--	--	--	--	6.4	10	--
05/11/00	6.93	5.77	ND	173	--	--	--	--	--	--	ND	9.6	--
08/09/00	2.64	3.56	6.4	58	--	--	--	--	--	--	ND	8	--
11/27/00	3.14	3.51	6.7	89	--	--	--	--	--	--	ND	7.9	--
02/14/01	5.9	6.9	9.3	264	--	--	--	--	--	--	ND	10	--
05/11/01	5.5	6.7	9.0	258	--	--	--	--	--	--	0.504	12	--
08/09/01	3.9	5.3	11	268	--	--	--	--	--	--	<1.0	2.8	--
11/30/01	5.1	6.4	13	189	--	--	--	--	--	--	1.6	12	--
02/07/02	3.9	4.8	13	266	--	--	--	--	--	--	0.99	11	--
05/10/02	1.7	--	14	30	--	--	--	--	--	--	0.32	7.5	--
08/15/02	2.8	--	13	-31	--	--	--	--	--	--	<0.89	2.6	--
11/14/02	1.1	--	22	126	--	--	--	--	--	--	<0.20	13	--
02/13/03	2.4	--	ND<10	61	--	--	--	--	--	--	1.9	14	--
05/16/03	3.8	--	ND<10	220	--	--	--	--	--	--	<1.0	98	--
08/12/03	1.9	--	36	56	--	--	--	--	--	--	<1.0	4.6	--
02/24/04	2.81	--	50	202	--	--	--	--	--	--	--	13	<0.20
05/06/04	6.67	--	--	46	--	--	--	--	--	--	--	--	--
08/04/04	5.76	--	--	-31	--	--	--	--	--	--	<1.0	5.2	2.5
11/10/04	1.64	--	--	--	--	--	--	--	--	--	--	--	--
02/03/05	7.13	--	5	38	308	18.1	5.86	0.10	22.10	0.00	6	42	<0.20
05/05/05	5.60	--	6	-002	244	15.9	6.40	0.00	20.90	0.00	--	--	--
08/04/05	1.50	--	17	10	247	16.4	6.07	0.10	20.90	0.00	<1.0	18	0.43
11/03/05	160	--	8	-052	267	15.6	6.10	0.00	20.90	0.00	--	--	--
02/02/06	3	2.38	8	104	274	15.4	6.06	0.00	20.90	0.00	8.5	19	--

Table 4
Sample Parameters

Former Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California

Date Sampled	Pre-Purge Dissolved Oxygen (mg/l)	Post Purge Dissolved Oxygen (mg/l)	Dissolved Carbon Dioxide (mg/l)	Oxidation Reduction Potential	Conductivity (µS/cm)	Temp. (°C)	pH	Head Space Carbon Dioxide (%)	Head Space Oxygen (%)	Head Space Organic Vapor (ppm)	Nitrate, NO_3 (mg/l)	Sulfate, SO_4 (mg/l)	Ferrous Iron, Fe (II) (mg/l)
MW-12													
05/19/99	0.35	0.28	--	11.3	--	--	--	--	--	--	--	--	--
08/05/99	6.80	5.41	1.0	24.8	--	--	--	--	--	--	9.1	29	
02/15/00	8.20	8.57	--	239	--	--	--	--	--	--	9.3	25	--
08/09/00	7.19	6.56	ND	152	--	--	--	--	--	--	8.2	21	
02/14/01	8.8	7.4	5.4	285	--	--	--	--	--	--	7	18	--
08/09/01	6.8	6.1	5.0	266	--	--	--	--	--	--	10	20	
02/07/02	9	8.9	ND<10	244	--	--	--	--	--	--	2.7	13	--
08/15/02	1.9	--	15	52	--	--	--	--	--	--	8.8	19	
08/12/03	1.20	--	26	263	--	--	--	--	--	--	8.8	21	--
02/24/04	6.13	--	30	187	--	--	--	--	--	--	--	19	<0.20
05/06/04	5.27	--	--	210	--	--	--	--	--	--	--	--	--
08/04/04	5.28	--	--	-61	--	--	--	--	--	--	8	19	<0.20
02/03/05	8.37	--	6.00	69	270	16.2	6.27	0.60	0.00	21.80	11	19	<0.20
5/5/2005	6.93	--	5	018	--	--	--	0.20	20.90	0.00	--		--
08/04/05	5.64	--	12	102	226	17.0	6.21	0.40	20.90	28.50	6.6	20	<0.20
11/03/05	5.49	--	7	-063	200	16.1	6.42	0.00	20.90	0.00	--		--
02/02/06	5.26	3.46	8	121	514	14.7	6.07	0.00	20.90	0.00	8.3	16	--

Table 6
Ozone Injection - System Operation Data
ConocoPhillips Site # 0220
720 North Franklin St, Ft Bragg, California

System 1																
Date	OZONE SPARGE SYSTEM						SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10
	Notes	System Status (On/Off)		Hourmeter	Period	Cumulative	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
		Arrival	Departure	Reading	Online	Online	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)
1/20/2005	a	Off	Off	–			–	–	–	–	–	–	–	–	–	–
2/17/2005		Off	Off	1208			–	–	–	–	–	–	–	–	–	–
3/18/2005		Off	Off	1361	24.9%	173	–	–	–	–	–	–	–	–	–	–
4/12/2005	b	Off	ON	3778	399.5%	2570										
5/17/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
6/6/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
7/11/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
8/9/2005	c	Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
9/6/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
10/3/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
11/1/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
12/5/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
1/30/2006		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
2/16/2006		Off	Off	–	–	–	–	–	–	–	–	–	–	–	–	–
3/8/2006		Off	Off	–	–	–	–	–	–	–	–	–	–	–	–	–
						Sparge time per cycle (min)	8	8	8	8	8	0	8	8	8	8

System 1																
Date	OZONE SPARGE SYSTEM						SP-11	SP-12	SP-13	SP-14	SP-15	SP-16	SP-17	SP-18	SP-19	SP-20
	Notes	System Status (On/Off)		Hourmeter	Period	Cumulative	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
		Arrival	Departure	Reading	Online	Online	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)
1/20/2005	a	Off	Off	–			–	–	–	–	–	–	–	–	–	–
2/17/2005		Off	Off	1208			–	–	–	–	–	–	–	–	–	–
3/18/2005		Off	Off	1361	24.9%	173	–	–	–	–	–	–	–	–	–	–
4/12/2005	b	Off	ON	3778	399.5%	2570										
5/17/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
6/6/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
7/11/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
8/9/2005	c	Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
9/6/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
10/3/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
11/1/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
12/5/2005		Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
1/30/2006	d	Off	Off	3778	0.0%	2570	–	–	–	–	–	–	–	–	–	–
2/16/2006		Off	Off	–	–	–	–	–	–	–	–	–	–	–	–	–
3/8/2006		Off	Off	–	–	–	–	–	–	–	–	–	–	–	–	–
						Sparge time per cycle (min)	8	8	8	8	8	0	8	8	8	8

System 1	
Total Hours Operational:	2670
Total Pounds Ozone Injected:	23
Period Hours Operational:	0
Period Percent Operational:	0.0%
Period Pounds Ozone Injected:	0

Definitions:

psi	Pounds per square inch
scfm	Standard cubic feet per minute
–	Data not available
NA	Not applicable

Notes:

a	SECOR began reporting, SHN continues O&M
b	Unknown hourmeter anomoly
c	Ozone generator failed upon startup. System shutdown
d	SECOR began O&M

Table 6
Ozone Injection - Groundwater Monitoring Data
ConocoPhillips Site # 0220
720 North Franklin St, Ft Bragg, California

Date	Note	Monitoring Well: MW-1									Monitoring Well: MW-4									Monitoring Well: MW-5								
		ORP (mV)	DO (mg/l)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	DO (mg/l)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	DO (mg/l)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)
2/17/2005	a, b	--	0.67	120	1,300	<0.50	<0.50	<0.50	<1.0	<0.50	--	0.96	4,000	17,000	<2.0	<2.0	<2.0	<4.0	<2.0	--	0.64	2,100	31,000	<0.50	<0.50	<0.50	<1.0	<0.50
3/16/2005	b	112	1.8	220	1,600	<0.50	<0.50	<0.50	<1.0	<0.50	43	1.6	8,000	28,000	<2.0	<2.0	<2.0	<4.0	<2.0	28	0.60	9,100	11,000	<0.50	<0.50	<0.50	<1.0	<0.50
4/12/2005		95	4	77	460	<0.50	<0.50	<0.50	<1.0	<0.50	-13	9	980	5,100	<0.50	<0.50	<0.50	<1.0	<0.50	46	4	340	2,100	<0.50	<0.50	<0.50	<1.0	<0.50
5/17/2005	b	120	6	120	<50	<0.50	<0.50	<0.50	<1.0	<0.50	12	4	8,400	190,000	<50	<50	<50	<100	<50	-14	2	1,000	210	<0.50	<0.50	<0.50	<1.0	<0.50
6/6/2005	b, c	92	5	<50	110	<0.50	<0.50	<0.50	<1.0	<0.50	-44	3	2,600	9,400	<5.0	<5.0	<5.0	<10	<5.0	-12	2	410	1,300	<0.50	<0.50	<0.50	<1.0	<0.50
7/11/2005	b,c	35	--	68	360	<0.50	<0.50	<0.50	<1.0	<0.50	-26	--	200	450	<0.50	<0.50	<0.50	<1.0	<0.50	-45	–	160	830	<0.50	<0.50	<0.50	<1.0	<0.50
8/9/2005		58	7	52	1,200	<0.50	<0.50	<0.50	<1.0	<0.50	-55	5	15,000	94,000	<0.50	<0.50	<0.50	<1.0	<0.50	-36	2	130	810	<0.50	<0.50	<0.50	<1.0	<0.50
9/6/2005		84	3	<50	94	<0.50	<0.50	<0.50	<1.0	<0.50	-85	2	1,300	140,000	<2.0	<2.0	<2.0	<4.0	<2.0	46	2	160	650	<0.50	<0.50	<0.50	<1.0	<0.50
10/3/2005		141	2	<50	350	<0.50	<0.50	<0.50	<1.0	<0.50	-82	1.00	1,400	140,000	<2.0	<2.0	<2.0	<4.0	<2.0	95	2.00	340	9,000	<0.50	<0.50	<0.50	<1.0	<0.50
11/1/2005		16	2	99	860	<0.50	<0.50	<0.50	<1.0	<0.50	50	1.00	1,100	8,600	<0.50	<0.50	<0.50	<1.0	<0.50	2	2.00	180	860	<0.50	<0.50	<0.50	<1.0	<0.50
12/5/2005		–	--	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	–	110	140	<0.50	<0.50	<0.50	<1.0	<0.50	–	–	110	720	<0.50	<0.50	<0.50	<1.0	<0.50
1/30/2006	d	–	–	<50	340	<0.50	<0.50	<0.50	<1.0	<0.50	–	–	370	930	<0.50	<0.50	<0.50	<1.0	<0.50	–	–	<50	1,800	<0.50	<0.50	<0.50	<1.0	<0.50
2/16/2006		–	–	<50	–	<0.50	<0.50	<0.50	<1.0	<0.50	–	–	660	–	<0.50	<0.50	<0.50	<1.0	<0.50			160	–	<0.50	<0.50	<0.50	<1.0	<0.50
3/8/2006		–	–	<50	63	<0.50	<0.50	<0.50	<1.0	<0.50	–	–	780	1,100	<0.50	<0.50	<0.50	<1.0	<0.50			160	1,900	<0.50	<0.50	<0.50	<1.0	<0.50

Definitions:

ORP	Oxidation Reduction Potential
DO	Dissolved Oxygen
TPHg	Total petroleum hydrocarbons as gasoline
MtBE	Methyl tert-butyl ether
µg/L	Micrograms per liter
mV	Millivolts
mg/L	Milligrams per liter
–	Not measured
ppm	Parts Per Million

Notes:

a = SECOR began reporting, SHN continues O&M
b = Reporting limits were raised due to high level of analyte present in sample
c = ph < 2
d = SECOR began O&M

ATTACHMENT 1
RWQCB-NCR MRP NO. R1-2003-0107

First Quarter 2006 Quarterly Summary and Monitoring Report
Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California
SECOR Project No.: 77CP.60009.02.0220

MRP Requirements
MRP No. R1-2003-0107
Sample requirments
ConocoPhillips Bulk Plant No. 0220
Fort Bragg, California

Well ID	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-1	TPHg, TPHd, BTEX, MtBE		TPHg, TPHd, BTEX, MtBE	
MW-2	TPHg, TPHd, BTEX, MtBE		TPHg, TPHd, BTEX, MtBE	
MW-3	TPHg, TPHd, BTEX, MtBE		TPHg, TPHd, BTEX, MtBE	
MW-4	TPHg, TPHd, BTEX, MtBE, Additional	TPHg, TPHd, BTEX, MtBE	TPHg, TPHd, BTEX, MtBE, Additional	TPHg, TPHd, BTEX, MtBE
MW-5	TPHg, TPHd, BTEX, MtBE		TPHg, TPHd, BTEX, MtBE	
MW-6	TPHg, TPHd, BTEX, MtBE			
MW-7	TPHg, TPHd, BTEX, MtBE			
MW-8	TPHg, TPHd, BTEX, MtBE	TPHg, TPHd	TPHg, TPHd, BTEX, MtBE	TPHg, TPHd
MW-9	TPHg, TPHd, BTEX, MtBE			
MW-10	TPHg, TPHd, BTEX, MtBE, Additional		TPHg, TPHd, BTEX, MtBE, Additional	
MW-11	TPHg, TPHd, BTEX, MtBE, Additional	TPHg, TPHd	TPHg, TPHd, BTEX, MtBE, Additional	TPHg, TPHd
MW-12	TPHg, TPHd, BTEX, MtBE, Additional		TPHg, TPHd, BTEX, MtBE, Additional	

Notes:
Additional = dissolved methane, dissolved iron, dissolved manganese, nitrate, sulfate

ATTACHMENT 2
TRC'S *QUARTERLY MONITORING REPORT*
JANUARY THROUGH MARCH 2006
First Quarter 2006 Quarterly Summary and Monitoring Report
Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California
SECOR Project No.: 77CP.60009.02.0220

SEE TRC

REPORT:

(Uploaded Separately)

ATTACHMENT 3
FIELD DATA SHEETS AND CERTIFIED LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

First Quarter 2006 Quarterly Summary and Monitoring Report
Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California
SECOR Project No.: 77CP.60009.02.0220

ConocoPhillips | Fort Bragg Bulk Terminal | SECOR International Incorporated

FIELD SERVICES REQUEST

SITE INFORMATION

Identification

Project #: 77CP.60927.00.0007
Station ID #: 0920
Site Address: 720 North Franklin Street, Fort Bragg, CA
Lab: STL
County: Mendocino
Project Manager: Thomas Potter
Requester: Chris Bovia
Client: ConocoPhillips
Client P.O.C: Thomas Kosel
Date of Request:

Project Type

[X] Operation & Maintenance
[X] Sampling
[ ] 1st Time Visit
[ ] Quarterly
1st 2nd 3rd 4th
[X] Monthly
[ ] Semi-Monthly
[ ] Weekly
[ ] One Time Event
[ ] Other:
Field Date:

Check Appropriate Category

[X] Budget Site Visit
[ ] Out of Budget Site Visit

Budget Hours:
Actual Hours:
Mob/de Mob:

Site Safety Concerns

#0220 Ozone Injection Monitoring

1) After arriving on-site, review work order, HASP, and JSA within HASP on Ozone Gas Hazards.

2) Prior to conducting field work, insert ozone sensitive paper into badge and attach to shirt or coat.
Make sure ozone meter has been warmed up. Warm up times can be greater than 1 hour.
Refer to second page of work order and fill out requested information.

3) Monitor and document ozone readings outside of ozone compound and ozone panel.
Since ozone is heavier than air, be sure to monitor for ozone at low points in compound and panel.
If positive ozone readings are encountered, call project manager (916) 861-0400 x288 to discuss possible solutions.

4) If no positive ozone readings are found, inspect fittings and tubing connection for signs of wear or damage.
Use a tedlar bag to collect vapor sample from sample port on double containment piping for ozone injection line.
Due to meter sensitivity, push vapor out of tedlar bag and carefully check for ozone in vapor sample.
DO NOT check ozone concentration directly from tedlar bag, high ozone concentrations can damage meter.

5) Using meter, Monitor for Ozone, O^3, along the piping runs, at top of each injection well lid, and within each well box.
Set-up traffic delineators to define work area around each injection well prior to collecting ozone readings.
If positive ozone readings are encountered, call project manager to discuss possible solutions.

6) Sample Monitoring Wells . Analyze for TPHg, BTEX, and MtBE by EPA method 8260.

7) Before leaving the site check your Ozone badge and note badge color on second page of work order.

8) Call into the Sacramento office (916) 861-0400 before you leave the site.

9) **Forward field notes and equipment rental forms to Chris Bovia in Sacramento.**

EQUIPMENT NEEDED

Site Safety Plan
O3 Meter and Ozone Badge
1/2", 9/16', and 15/16" sockets, pliers, and other misc. tools
Traffic Delineators
Nitrile gloves, COC's, drum labels, etc.

Completed By: Date:

JOB NAME: Ft Bragg Bulk Terminal

JOB NUMBER: 77CP.60927.00.0007

SITE ADDRESS: 720 North Franklin Street, Fort Bragg, CA

PowerPole meter 21837

DATE: 1/30/06 Arrive 1236 Depart 1500

MONITORED BY: Brian Soderman

WELL I.D.	Vapor Readings			Field Notes or Comments
	Ozone (ppm)	Odors	Pressure	
Compound and System Readings				
Outside Compound				
Inside Compound				
Inside Shed or Panel				
Secondary Containment				
~~Manifold~~ Bio Vent ~~Well Box Gauge~~ Readings	Valve	Pressure	Flow ACFM	Blower hours 6413.28
~~GP-1~~ BV-1	100%	3.0 "H2O	17.76	Blower Amps T-1 10.4 T-2 10.7
~~SP-2~~ BV-2	100%	3.0 "H2O	15.58	
~~SP-3~~ BV-3	100%	3.0 "H2O	36.84	
~~SP-4~~ BV-4	100%	3.1 "H2O	30.15	
~~SP-5~~ BV-5	100%	3.2 "H2O	15.15	
~~SP-6~~ BV-6	100%	3.2 "H2O	11.88	
~~SP-7~~ BV-7	100%	3.2 "H2O	~~11.92~~	12.07
~~SP-8~~ BV-8	100%	3.2 "H2O	17.07	
~~SP-9~~				
~~SP-10~~				
~~SP-11~~				
~~SP-12~~				
~~SP-13~~				
~~SP-14~~				
~~SP-15~~				
~~SP-16~~				
~~SP-17~~				
~~SP-18~~				
~~SP-19~~				
~~SP-20~~				

ConocoPhillips Chain Of Custody Record

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

ConocoPhillips Work Order Number: 0927SEC001
ConocoPhillips Cost Object: WNO.0927

DATE: 1/30/06
PAGE: 1 of 1

SAMPLING COMPANY: SECOR International, Inc.	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: Ft Bragg Bulk Plant # 0220	GLOBAL ID NO.: T0604593174
ADDRESS: 3017 Kilgore Rd., Suite 100		SITE ADDRESS (Street and City): 720 N. Franklin St, Ft. Bragg, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Bovia		EDF DELIVERABLE TO (RP or Designee): Chris Bovia	PHONE NO.: 916-861-0400
TELEPHONE: 916-861-0400 ex. 256 / FAX: 916-861-0430	E-MAIL: cbovia@secor.com	E-MAIL: cbovia@secor.com	LAB USE ONLY
SAMPLER NAME(S) (Print): Brian Schoenemann	CONSULTANT PROJECT NUMBER: 77CP.60927.00.0007		

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 8 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP
	MW-1	1/30/06	1415	W	6	X		X					
	MW-4	1/30/06	1435	W	6	X		X					
	MW-8	1/30/06	1450	W	6	X		X					

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 5

Relinquished by: (Signature) Brian Schoenemann	Received by: (Signature) Joan Kuiper	Date: 2-1-06	Time: 0908
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

8/19/03 Revision

JOURNEY HAZARD ASSESSMENT CARD

STOP! THINK! GO!

Name Brian Schoenroeman Date 1/30/06

STOP

Do I need to make this journey? ☑ Yes ☐ No

STOP

Where am I traveling? How long will I be driving? And do I have an ETA with a contact person and have communicated area hazards and safest mode of transport?

THINK

How can I ensure that I have a safe journey?

THINK

Am I well rested an alert for the journey? ☑ Yes ☐ No

THINK

Have I done a vehicle walk around and ensured that the vehicle is safe and ready for travel? ☑ Yes ☐ No

ELEMENTS OF THE DRIVING STANDARD

- Has vehicle been inspected? ☑ Yes ☐ No
- Will passengers be transported? ☐ Yes ☑ No
- Has cargo been secured? ☑ Yes ☐ No
- Driver's License is current? ☑ Yes ☐ No
- Appropriately rested and alert? ☑ Yes ☐ No
- Journey risks have been identified? ☑ Yes ☐ No
- Seatbelts are in working order? ☑ Yes ☐ No
- Medically fit for driving? ☑ Yes ☐ No

HAVE A SAFE TRIP!

DRIVING IS RISKY BUSINESS!

Daily Vehicle Checklist

Employee Name: Brian Schoonover **Region/Business Unit:** 07

Date: 1/30/06 **Time:** 0500 **Job:** CP-0220 CP 0228 Forartransit

Job #: 770T41658000009 77CP60928000001 77CP6092700000007 **Vehicle Make/Model:** Ford F350

Vehicle Color: white **Vehicle License Plate Number:** 6Y56342

Vehicle Mileage End: 103112 103512 103377

Vehicle Mileage Start: 103042 103112 103312

Total Miles Driven: ~~103112~~ 70 200 65

Perimeter Walk Around:	Item is OK	Item is NOT OK
Check for signs of vandalism, negligence, damage or unusual conditions	✓	
Check all tires for excessive and unusual wear and proper inflation – include the spare tire if it is easily accessible	✓	
Check under vehicle for signs of leaking fluids	✓	
Check wiper blades (Do they work? Do they need replacement?)	✓	
Check all light systems – brake, head, back-up, running, turn signals, emergency flashers	✓	
Check to make sure doors, truck/toolbox lids, tailgates all open and close properly (Make sure you have keys to any toolboxes that you may need to access)	✓	

Check Gauges on Dashboard:	Item is OK	Item is NOT OK
Fuel Level	✓	
Oil light	✓	
Engine Coolant Temperature Gauge	✓	
Service Indicator Lights	✓	
Battery Charge Indicator	✓	

Inside Vehicle:	Item is OK	Item is NOT OK
Make sure seatbelts are present for all who will be riding in the vehicle	✓	
Secure all cargo in the vehicle so that items will not become projectiles in the event of sudden stops or collisions	✓	
Adjust the seat position, rearview and side mirrors	✓	
Adjust temperature controls, vents, radio, etc.	✓	

Notify the vehicle manager or rental company if you feel that any deficiencies are unsafe and DO NOT drive the vehicle!

Signature: Brian Schoonover

ConocoPhillips | Fort Bragg Bulk Terminal | SECOR International Incorporated

FIELD SERVICES REQUEST

SITE INFORMATION

Identification

Project #: 77CP.60927.00.0007
Station ID #: 0920
Site Address: 720 North Franklin Street, Fort Bragg, CA
Lab: STL
County: Mendocino
Project Manager: Thomas Potter
Requester: Chris Bovia
Client: ConocoPhillips
Client P.O.C: Thomas Kosel
Date of Request:

Project Type

- [X] Operation & Maintenance
- [X] Sampling
- [ ] 1st Time Visit
- [ ] Quarterly

1st ___ 2nd ___ 3rd ___ 4th

- [X] Monthly
- [ ] Semi-Monthly
- [ ] Weekly
- [ ] One Time Event
- [ ] Other:

Field Date:

Check Appropriate Category

- [X] Budget Site Visit
- [ ] Out of Budget Site Visit

Budget Hours:
Actual Hours:
Mob/de Mob:

Site Safety Concerns

#0220 Ozone Injection Monitoring

1) After arriving on-site, review work order, HASP, and JSA within HASP on Ozone Gas Hazards.

2) Prior to conducting field work, insert ozone sensitive paper into badge and attach to shirt or coat.
Make sure ozone meter has been warmed up. Warm up times can be greater than 1 hour.
Refer to second page of work order and fill out requested Information.

3) Monitor and document ozone readings outside of ozone compound and ozone panel.
Since ozone is heavier than air, be sure to monitor for ozone at low points in compound and panel.
If positive ozone readings are encountered, call project manager (916) 861-0400 x288 to discuss possible solutions.

4) If no positive ozone readings are found, inspect fittings and tubing connection for signs of wear or damage.
Use a tedlar bag to collect vapor sample from sample port on double containment piping for ozone injection line.
Due to meter sensitivity, push vapor out of tedlar bag and carefully check for ozone in vapor sample.
DO NOT check ozone concentration directly from tedlar bag, high ozone concentrations can damage meter.

5) Using meter, Monitor for Ozone, O^3, along the piping runs, at top of each injection well lid, and within each well box.
Set-up traffic delineators to define work area around each injection well prior to collecting ozone readings.
If positive ozone readings are encountered, call project manager to discuss possible solutions.

6) Sample Monitoring Wells . Analyze for TPHg, BTEX, and MtBE by EPA method 8260.

7) Before leaving the site check your Ozone badge and note badge color on second page of work order.

8) Call into the Sacramento office (916) 861-0400 before you leave the site.

9) **Forward field notes and equipment rental forms to Chris Bovia in Sacramento.**

EQUIPMENT NEEDED:

Site Safety Plan
O3 Meter and Ozone Badge
1/2", 9/16', and 15/16" sockets, pliers, and other misc. tools
Traffic Delineators
Nitrile gloves, COC's, drum labels, etc.

Completed By: Date:

ConocoPhillips Chain Of Custody Record

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number: 0927SEC001

ConocoPhillips Cost Object: WNO.0927

DATE: 2/16/06

PAGE: 1 of 1

SAMPLING COMPANY: SECOR International, Inc.	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: Ft Bragg Bulk Plant # 0220	GLOBAL ID NO.: T0604593174
ADDRESS: 3017 Kilgore Rd., Suite 100		SITE ADDRESS (Street and City): 720 N. Franklin St, Ft. Bragg, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Bovia		EDF DELIVERABLE TO (RP or Designee): Chris Bovia	PHONE NO.: 916-861-0400
TELEPHONE: 916-861-0400 ex. 256	FAX: 916-861-0430	E-MAIL: cbovia@secor.com	E-MAIL: cbovia@secor.com
SAMPLER NAME(S) (Print): Brian Schermerhorn	CONSULTANT PROJECT NUMBER: 77CP.60927.00.0007		

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 6 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MIBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MIBE	Lead ☐Total ☐STLC ☐TCLP	TEMPERATURE ON RECEIPT C°
	MW-1	2/16/06	0945	W	3		✓							
	MW-4	2/16/06	0835	W	3		✓							
	MW-8	2/16/06	0955	W	3		✓							
	STORED WATER	2/16/06	1015	W	3		✓							

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature) Brian Schermerhorn	Received by: (Signature)	Date: 2/22/06	Time: 1450
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

9/19/03 Revision

ConocoPhillips Chain Of Custody Record

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number: 0927SEC001

ConocoPhillips Cost Object: WNO.0927

DATE: 2/16/06

PAGE: 1 of 1

SAMPLING COMPANY: SECOR International, Inc.	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: Ft Bragg Bulk Plant # 0220	GLOBAL ID NO.: T0604593174
ADDRESS: 3017 Kilgore Rd., Suite 100		SITE ADDRESS (Street and City): 720 N. Franklin St, Ft. Bragg, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Bovia		EDF DELIVERABLE TO (RP or Designee): Chris Bovia	PHONE NO.: 916-861-0400
TELEPHONE: 916-861-0400 ex. 256	FAX: 916-861-0430	E-MAIL: cbovia@secor.com	E-MAIL: cbovia@secor.com
SAMPLER NAME(S) (Print): Brian Schoenberger	CONSULTANT PROJECT NUMBER: 77CP.60927.00.0007		

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 8 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TEMPERATURE ON RECEIPT C°
	MW-1	2/16/06	0945	W	3		✓							
	MW-4	2/16/06	0935	W	3		✓							
	MW-8	2/16/06	0955	W	3		✓							
	Stored Water	2/16/06	1015	W	3		✓							

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time

8/18/03 Revision

JOB NAME: Ft Bragg Bulk Terminal JOB NUMBER: 77CP.60927.00.0007

Work Conducted By: Brian Schoenneman DATE: 2/16/06

SITE VISITATION REPORT

Arrival Time: 0730 Departure Time: 1030

WASTE AND DRUM INVENTORY

	SOIL		CARBON	2	TOTAL OPEN TOP
2	WATER		EMPTY	0	TOTAL BUNG TOP
	Estimated Water Volume	Other Waste:			

HEALTH AND SAFETY ASSESSMENT

Bulk Fuel Terminal. Hydrocarbon Vapor Possability
Slips Trips Falls. moving small empty tanks to access
monitoring wells.

modified level D PPE

OZONE MONITORING NOTES

System not generator removed

Hour Meter: 6680 System Pressure:

Wind Direction: N System Flow Rate:

Estimated Wind Speed: 5 Electric Meter 22251

Estimated Air Temp: 33

Ozone meter Brand: N/A Ozone meter sensitivity range: N/A

Ozone Badge on: Yes (No)

Time Badge Put on: N/A

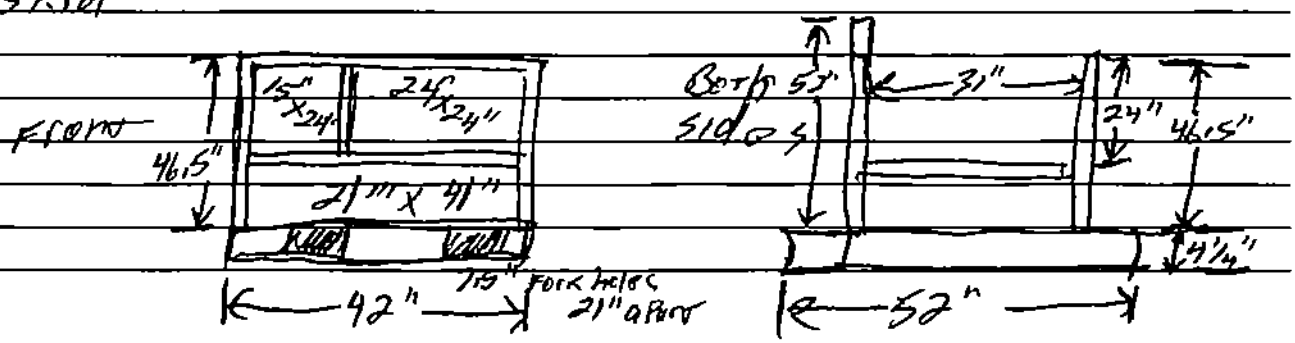
Time Badge Take Off: N/A Circle Badge Color: White N/A Tan Brown

Estimate Temp within Ozone Panel or containment shed: 35

door Way to Shed is 45" X 70" WXH

Took Photos Working Space is 72" X 72" X 72"

Skid



JOB NAME: Ft Bragg Bulk Terminal

JOB NUMBER: 77CP.60927.00.0007

SITE ADDRESS: 720 North Franklin Street, Fort Bragg, CA

DATE: 2/16/06

MONITORED BY: Brian Schoenneman

WELL I.D.	Vapor Readings: Ozone (ppm)	Odors	Pressure	Field Notes or Comments
Compound and System Readings				
Outside Compound				
Inside Compound				
Inside Shed or Panel				
Secondary Containment				
Well Box ~~Ozone~~ Readings	for 10 Flow SP's			Total Flow 141.4 ACFM
SP-1	~~H2O~~	3.2 "H2O	13.4 ACFM	
SP-2		3.2 "H2O	10.9 ACFM	
SP-3		3.2 "H2O	33.3 ACFM	
SP-4		3.0 "H2O	27.7 ACFM	all readings @ 62.5°F
SP-5		3.4 "H2O	16.7 ACFM	
SP-6		3.1 "H2O	11.5 ACFM	
SP-7		3.6 "H2O	12.0 ACFM	
SP-8		3.8 "H2O	17.3 ACFM	
~~SP-9~~				
~~SP-10~~				
~~SP-11~~				
~~SP-12~~				
~~SP-13~~				
~~SP-14~~				
~~SP-15~~				
~~SP-16~~				
~~SP-17~~				
~~SP-18~~				
~~SP-19~~				
~~SP-20~~				

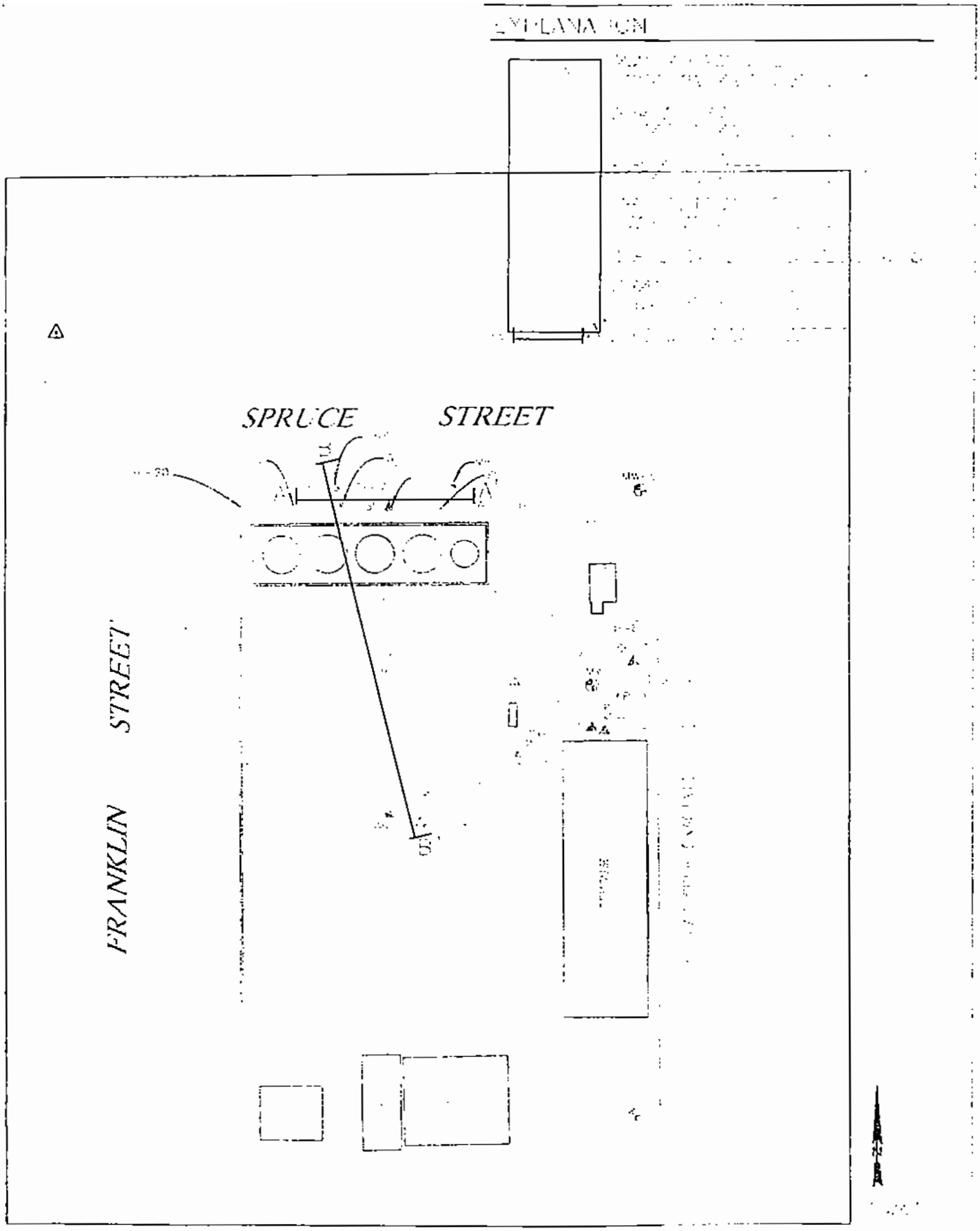
JOB NAME: Ft Bragg Bulk Terminal JOB NUMBER: 77CP.60927.00.0007

Work Conducted By: Kriag Schoenneman DATE: 2/16/06

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

Blower down upon arrival. Started OK
Took measurements & photos at shed
door way + inside.
also measured skid dimentions. See Site Visitation Report
Sampled Wells, mw-1 mw-4 mw-8
also sampled drums. (composit water) outside shed.

measured flow + pressure at manafold.


SPRUCE STREET
FRANKLIN STREET

ConocoPhillips | Fort Bragg Bulk Terminal | SECOR International Incorporated

FIELD SERVICES REQUEST

SITE INFORMATION

Identification

Project #: 77CP.60927.07.0003
Station ID #: 0920
Site Address: 720 North Franklin Street, Fort Bragg, CA
Lab: STL
County: Mendocino
Project Manager: Thomas Potter
Requester: Erik Lawson
Client: ConocoPhillips
Client P.O.C: Thomas Kosel
Date of Request:

Project Type

- [X] Operation & Maintenance
- [X] Sampling
- [ ] 1st Time Visit
- [ ] Quarterly

1st 2nd 3rd 4th

- [X] Monthly
- [ ] Semi-Monthly
- [ ] Weekly
- [ ] One Time Event
- [ ] Other:

Field Date:

Check Appropriate Category

- [X] Budget Site Visit
- [ ] Out of Budget Site Visit

Budget Hours:
Actual Hours:
Mob/de Mob:

Site Safety Concerns

#0220 Ozone Injection Monitoring

1) After arriving on-site, review work order, HASP, and JSA within HASP on Ozone Gas Hazards.

2) Prior to conducting field work, insert ozone sensitive paper into badge and attach to shirt or coat.
Make sure ozone meter has been warmed up. Warm up times can be greater than 1 hour.
Refer to second page of work order and fill out requested information.

3) Monitor and document ozone readings outside of ozone compound and ozone panel.
Since ozone is heavier than air, be sure to monitor for ozone at low points in compound and panel.
If positive ozone readings are encountered, call project manager (916) 861-0400 x288 to discuss possible solutions.

4) If no positive ozone readings are found, inspect fittings and tubing connection for signs of wear or damage.
Use a tedlar bag to collect vapor sample from sample port on double containment piping for ozone injection line.
Due to meter sensitivity, push vapor out of tedlar bag and carefully check for ozone in vapor sample.
DO NOT check ozone concentration directly from tedlar bag, high ozone concentrations can damage meter.

5) Using meter, Monitor for Ozone, O^3, along the piping runs, at top of each injection well lid, and within each well box.
Set-up traffic delineators to define work area around each injection well prior to collecting ozone readings.
If positive ozone readings are encountered, call project manager to discuss possible solutions.

6) Sample Monitoring Wells . Analyze for TPHg, BTEX, and MtBE by EPA method 8260.

7) Before leaving the site check your Ozone badge and note badge color on second page of work order.

8) Call into the Sacramento office (916) 861-0400 before you leave the site.

9) **Forward field notes and equipment rental forms to Erik lawson In Sacramento.**

EQUIPMENT NEEDED:

Site Safety Plan
O3 Meter and Ozone Badge
1/2", 9/16', and 15/16" sockets, pliers, and other misc. tools
Traffic Delineators
Nitrile gloves, COC's, drum labels, etc.

Completed By: Date:

ConocoPhillips Chain Of Custody Record

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

ConocoPhillips Work Order Number: 0927SEC009
ConocoPhillips Cost Object: WNO.0927

DATE: 3/8/06
PAGE: 1 of 1

SAMPLING COMPANY:	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER	GLOBAL ID NO.:
SECOR International, Inc.		Ft Bragg Bulk Plant # 0220	T0604593174

ADDRESS:	SITE ADDRESS (Street and City):	
3017 Kilgore Rd., Suite 100	720 N. Franklin St, Ft. Bragg, CA	

PROJECT CONTACT (Hardcopy or PDF Report to):	EDF DELIVERABLE TO (RP or Designee):	PHONE NO.:	E-MAIL:	LAB USE ONLY
Erik Lawson	Erik Lawson	916-861-0400	elawson@secor.com	

TELEPHONE:	FAX:	E-MAIL:
916-861-0400 ex. 280	916-861-0430	elawson@secor.com

SAMPLER NAME(S) (Print):	CONSULTANT PROJECT NUMBER
Brian Schoenneman	77CP.60927.07

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 8 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP
	MW - 1	3/8/06	13:25	W	6	X	X						
	MW - 4	3/8/06	13:35	W	6	X	X						
	MW - 8	3/8/06	13:45	W	6	X	X						

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C° 6°C

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Brian Schoenneman		3/9/06	15:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

9/19/03 Revision

SITE ADDRESS: 720 North Franklin Street, Fort Bragg, CA

DATE: 3/8/06

MONITORED BY: Brian Schoenmann

WELL I.D.	Vapor Readings			Field Notes or Comments
	Ozone (ppm)	Odors	Pressure	
Compound and System Readings				
Outside Compound				
Inside Compound				
Inside Shed or Panel				
Secondary Containment				
~~Well Box Ozone Readings~~	RIOSPARGE manifold Readings			
SP-1	2.9" H_2O	16.96 ACFM		
SP-2	2.9" H_2O	16.28 ACFM		
SP-3	2.7" H_2O	35.29 ACFM		
SP-4	2.9" H_2O	28.99 ACFM		
SP-5	3.2" H_2O	13.66 ACFM		
SP-6	3.2" H_2O	11.05 ACFM		
SP-7	3.3" H_2O	11.09 ACFM		
SP-8	3.3" H_2O	15.15 ACFM		
~~SP-9~~				
~~SP-10~~				
~~SP-11~~				
~~SP-12~~				
~~SP-13~~				
~~SP-14~~				
~~SP-15~~				
~~SP-16~~				
~~SP-17~~				
~~SP-18~~				
~~SP-19~~				
~~SP-20~~				

JOB NAME: Ft Bragg Bulk Terminal JOB NUMBER: 77CP.60927.07.0003

Work Conducted By: Brian Schoonmaker DATE: 3/8/06

SITE VISITATION REPORT

Arrival Time: 1218 Departure Time: 1418

WASTE AND DRUM INVENTORY

____	SOIL	____	CARBON	____	TOTAL OPEN TOP
2	WATER	____	EMPTY	____	TOTAL BUNG TOP
____	Estimated Water Volume	Other Waste: ____			

HEALTH AND SAFETY ASSESSMENT

Slips trips falls ~~[illegible]~~ ~~[illegible]~~ Traffic in yard

Be aware of surroundings, Think about every step of the job before doing it

OZONE MONITORING NOTES

Electric meter 22997

Hour Meter: ~~22997~~ 7163.85 System Pressure: 3.8" H2O

Wind Direction: NW System Flow Rate: 147.3 @ 85°F

Estimated Wind Speed: 15

Estimated Air Temp: 50

Ozone meter Brand: N/A Ozone meter sensitivity range: N/A

Ozone Badge on: Yes No

Time Badge Put on: N/A

Time Badge Take Off: N/A Circle Badge Color: White Tan Brown

Estimate Temp within Ozone Panel or containment shed:

Ozone System Inactive

Measured Flows from BIO Sparge System

Blower Amps A 10.5 B 10.7

Sampled MW-1 MW-4 MW-8 for 8015m TPHd + 8260B

JOB NAME: Ft Bragg Bulk Terminal JOB NUMBER: 77CP.60927.07.0003

Work Conducted By: DATE:

DESCRIPTION OF ACTIVITIES ON SITE AND NOTES (cont)

ANALYTICAL REPORT

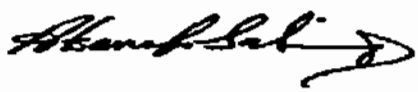
Job Number: 720-1797-1

Job Description: Conoco Phillips #0220, Fort Bragg

For:

Secor International, Inc.
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Attention: Mr. Thomas M Potter



Afsaneh Salimpour
Project Manager I
asalimpour@stl-inc.com
02/27/2006

METHOD SUMMARY

Client: Secor International, Inc. Job Number: 720-1797-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Organic Compounds in Water by Microextraction	STL-SF		SW846 3511

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Secor International, Inc. Job Number: 720-1797-1

Method	Analyst	Analyst ID
SW846 8260B	Lew, Matthew	MLEW
SW846 8015B	Ho, Sonia	SO

SAMPLE SUMMARY

Client: Secor International, Inc. Job Number: 720-1797-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-1797-1	MW-1	Water	01/30/2006 1415	02/01/2006 0908
720-1797-2	MW-4	Water	01/30/2006 1435	02/01/2006 0908
720-1797-3	MW-8	Water	01/30/2006 1450	02/01/2006 0908

Client: Secor International, Inc. Job Number: 720-1797-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-1797-1 Date Sampled: 01/30/2006 1415
Client Matrix: Water Date Received: 02/01/2006 0908

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-5506 Instrument ID: Saturn 2100
Preparation: 5030B Lab File ID: c:\saturnws\data\200602\02
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 02/11/2006 1808 Final Weight/Volume: 10 mL
Date Prepared: 02/11/2006 1808

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	0.56		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	96	77 - 121
1,2-Dichloroethane-d4	108	73 - 130

Client: Secor International, Inc.

Job Number: 720-1797-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-1797-2
Client Matrix: Water

Date Sampled: 01/30/2006 1435
Date Received: 02/01/2006 0908

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/11/2006 1530
Date Prepared: 02/11/2006 1530

Analysis Batch: 720-5506

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200602\02
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	370		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	91	77 - 121
1,2-Dichloroethane-d4	100	73 - 130

Client: Secor International, Inc.

Job Number: 720-1797-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-1797-3
Client Matrix: Water

Date Sampled: 01/30/2006 1450
Date Received: 02/01/2006 0908

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/11/2006 1834
Date Prepared: 02/11/2006 1834

Analysis Batch: 720-5506

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200602\02
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	91	77 - 121
1,2-Dichloroethane-d4	107	73 - 130

Client: Secor International, Inc.

Job Number: 720-1797-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-1797-1
Client Matrix: Water

Date Sampled: 01/30/2006 1415
Date Received: 02/01/2006 0908

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3511
Dilution: 1.0
Date Analyzed: 02/12/2006 0033
Date Prepared: 02/07/2006 0802

Analysis Batch: 720-5463
Prep Batch: 720-5260

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C9-C24]	340		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	82	60 - 130

Client: Secor International, Inc. Job Number: 720-1797-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-1797-2 Date Sampled: 01/30/2006 1435
Client Matrix: Water Date Received: 02/01/2006 0908

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3511
Dilution: 1.0
Date Analyzed: 02/12/2006 0155
Date Prepared: 02/07/2006 0802

Analysis Batch: 720-5463
Prep Batch: 720-5260

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C9-C24]	930		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	87	60 - 130

Client: Secor International, Inc. Job Number: 720-1797-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-1797-3 Date Sampled: 01/30/2006 1450
Client Matrix: Water Date Received: 02/01/2006 0908

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B Analysis Batch: 720-5463 Instrument ID: Varian DRO4
Preparation: 3511 Prep Batch: 720-5260 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 35 mL
Date Analyzed: 02/12/2006 0222 Final Weight/Volume: 2 mL
Date Prepared: 02/07/2006 0802 Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C9-C24]	1800		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	87	60 - 130

Client: Secor International, Inc.

Job Number: 720-1797-1

Method Blank - Batch: 720-5506

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-5506/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/11/2006 1108
Date Prepared: 02/11/2006 1108

Analysis Batch: 720-5506
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200602\0
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	94	77 - 121
1,2-Dichloroethane-d4	92	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-1797-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-5506

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-5506/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/11/2006 1015
Date Prepared: 02/11/2006 1015

Analysis Batch: 720-5506
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200602\0
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-5506/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/11/2006 1042
Date Prepared: 02/11/2006 1042

Analysis Batch: 720-5506
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2100
Lab File ID: c:\saturnws\data\200602\021
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	94	93	69 - 129	2	25		
MTBE	91	82	65 - 165	11	25		
Toluene	92	92	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	88	90	77 - 121
1,2-Dichloroethane-d4	83	79	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-1797-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-5506

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-1797-2	Analysis Batch: 720-5506	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200602\(
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	02/11/2006 1438		Final Weight/Volume: 10 mL
Date Prepared:	02/11/2006 1438		

MSD Lab Sample ID:	720-1797-2	Analysis Batch: 720-5506	Instrument ID: Saturn 2100
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200602\0
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	02/11/2006 1504		Final Weight/Volume: 10 mL
Date Prepared:	02/11/2006 1504		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	85	87	69 - 129	2	20		
MTBE	80	85	65 - 165	5	20		
Toluene	84	89	70 - 130	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8	91	92	77 - 121
1,2-Dichloroethane-d4	84	87	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-1797-1

Method Blank - Batch: 720-5260

Method: 8015B
Preparation: 3511

Lab Sample ID: MB 720-5260/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2006 1203
Date Prepared: 02/07/2006 0802

Analysis Batch: 720-5463
Prep Batch: 720-5260
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C9-C24]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	98	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-5260

Method: 8015B
Preparation: 3511

LCS Lab Sample ID: LCS 720-5260/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2006 1102
Date Prepared: 02/07/2006 0802

Analysis Batch: 720-5463
Prep Batch: 720-5260
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-5260/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/08/2006 1132
Date Prepared: 02/07/2006 0802

Analysis Batch: 720-5463
Prep Batch: 720-5260
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C9-C24]	64	72	60 - 150	12	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	94	103	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

ConocoPhillips Chain Of Custody Record

300642

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS, Attn: Dee Hutchinson, 3611 South Harbor, Suite 200, Santa Ana, CA 92704

720-1797

ConocoPhillips Work Order Number: 0927SEC001
ConocoPhillips Cost Object: WNO.0927

DATE: 1/30/06
PAGE: 1 of 1

SAMPLING COMPANY: SECOR International, Inc	Valid Value ID:
ADDRESS: 3017 Kilgore Rd., Suite 100	CONOCOPHILLIPS SITE NUMBER: Ft Bragg Bulk Plant # 0220
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Bovia	SITE ADDRESS (Street and City): 720 N. Franklin St, Ft. Bragg, CA
TELEPHONE: 916-861-0400 ex. 256	FAX: 916-861-0430
E-MAIL: cbovia@secor.com	GLOBAL ID NO.: T0604593174
EDF DELIVERABLE TO (RP or Designee): Chris Bovia	PHONE NO.: 916-861-0400
E-MAIL: cbovia@secor.com	LAB USE ONLY
SAMPLER NAME(S) (Print): Brian Schoonerman	CONSULTANT PROJECT NUMBER: 77CP.60927.00.0007

TURNAROUND TIME (CALENDAR DAYS)
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 8 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	1/30/06	1415	W	6	X		X						
	MW-4	1/30/06	1435	W	6	X		X						
	MW-8	1/30/06	1450	W	6	X		X						

TEMPERATURE ON RECEIPT C°: 5

Relinquished by (Signature)	Received by (Signature)	Date	Time
Brian Schoonerman	Joan Mullen	2-1-06	0908
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Secor International, Inc. Job Number: 720-1797-1

Login Number: 1797

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

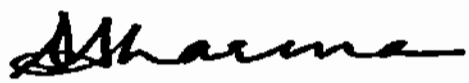
Job Number: 720-2211-1

Job Description: Conoco Phillips # 0220, Fort Bragg

For:

Secor International, Inc.
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Attention: Mr. Thomas M Potter



Dimple Sharma
Project Manager I
dsharma@stl-inc.com
03/03/2006

METHOD SUMMARY

Client: Secor International, Inc. Job Number: 720-2211-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Secor International, Inc. Job Number: 720-2211-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-2211-1	MW-1	Water	02/16/2006 0945	02/22/2006 1450
720-2211-2	MW-4	Water	02/16/2006 0935	02/22/2006 1450
720-2211-3	MW-8	Water	02/16/2006 0955	02/22/2006 1450
720-2211-4	STORED WATER	Water	02/16/2006 1015	02/22/2006 1450

Client: Secor International, Inc. Job Number: 720-2211-1

Client Sample ID: MW-1

Lab Sample ID: 720-2211-1
Client Matrix: Water

Date Sampled: 02/16/2006 0945
Date Received: 02/22/2006 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/28/2006 1906
Date Prepared: 02/28/2006 1906

Analysis Batch: 720-6092

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200602\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	100	77 - 121
1,2-Dichloroethane-d4	105	73 - 130

Client: Secor International, Inc. Job Number: 720-2211-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-2211-2
Client Matrix: Water

Date Sampled: 02/16/2006 0935
Date Received: 02/22/2006 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/28/2006 1929
Date Prepared: 02/28/2006 1929

Analysis Batch: 720-6092

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200602\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	660		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	101	77 - 121
1,2-Dichloroethane-d4	108	73 - 130

Client: Secor International, Inc.

Job Number: 720-2211-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-2211-3
Client Matrix: Water

Date Sampled: 02/16/2006 0955
Date Received: 02/22/2006 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/28/2006 1952
Date Prepared: 02/28/2006 1952

Analysis Batch: 720-6092

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200602\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	180		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	103	77 - 121
1,2-Dichloroethane-d4	105	73 - 130

Client: Secor International, Inc.

Job Number: 720-2211-1

Client Sample ID: **STORED WATER**

Lab Sample ID: 720-2211-4
Client Matrix: Water

Date Sampled: 02/16/2006 1015
Date Received: 02/22/2006 1450

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/01/2006 1222
Date Prepared: 03/01/2006 1222

Analysis Batch: 720-6124

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200603\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	98	77 - 121
1,2-Dichloroethane-d4	106	73 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: Secor International, Inc. Job Number: 720-2211-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-6092				
LCS 720-6092/21	Lab Control Spike	Water	8260B	
LCSD 720-6092/20	Lab Control Spike Duplicate	Water	8260B	
MB 720-6092/22	Method Blank	Water	8260B	
720-2116-A-11 MS	Matrix Spike	Water	8260B	
720-2116-A-11 MSD	Matrix Spike Duplicate	Water	8260B	
720-2211-1	MW-1	Water	8260B	
720-2211-2	MW-4	Water	8260B	
720-2211-3	MW-8	Water	8260B	
Analysis Batch:720-6124				
LCS 720-6124/21	Lab Control Spike	Water	8260B	
LCSD 720-6124/20	Lab Control Spike Duplicate	Water	8260B	
MB 720-6124/22	Method Blank	Water	8260B	
720-2159-A-1 MS	Matrix Spike	Water	8260B	
720-2159-A-1 MSD	Matrix Spike Duplicate	Water	8260B	
720-2211-4	STORED WATER	Water	8260B	

Client: Secor International, Inc.

Job Number: 720-2211-1

Method Blank - Batch: 720-6092

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-6092/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/28/2006 1132
Date Prepared: 02/28/2006 1132

Analysis Batch: 720-6092
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200602\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	97	77 - 121
1,2-Dichloroethane-d4	91	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2211-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-6092

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-6092/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/28/2006 1002
Date Prepared: 02/28/2006 1002

Analysis Batch: 720-6092
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200602\0:
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-6092/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/28/2006 1025
Date Prepared: 02/28/2006 1025

Analysis Batch: 720-6092
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200602\022
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	90	93	69 - 129	3	25		
MTBE	84	95	65 - 165	13	25		
Toluene	96	107	70 - 130	11	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	103	103	77 - 121
1,2-Dichloroethane-d4	91	97	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2211-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-6092

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-2116-A-11 MS	Analysis Batch: 720-6092	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200602\
Dilution:	5.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/28/2006 1407		Final Weight/Volume: 40 mL
Date Prepared:	02/28/2006 1407		

MSD Lab Sample ID:	720-2116-A-11 MSD	Analysis Batch: 720-6092	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200602\0
Dilution:	5.0		Initial Weight/Volume: 40 mL
Date Analyzed:	02/28/2006 1430		Final Weight/Volume: 40 mL
Date Prepared:	02/28/2006 1430		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	92	95	69 - 129	3	20		
MTBE	108	82	65 - 165	7	20		
Toluene	97	100	70 - 130	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8	101	99	77 - 121
1,2-Dichloroethane-d4	104	95	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2211-1

Method Blank - Batch: 720-6124

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-6124/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/01/2006 1148
Date Prepared: 03/01/2006 1148

Analysis Batch: 720-6124
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200603\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	97	77 - 121
1,2-Dichloroethane-d4	100	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2211-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-6124

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-6124/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/01/2006 1018
Date Prepared: 03/01/2006 1018

Analysis Batch: 720-6124
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200603\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-6124/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/01/2006 1041
Date Prepared: 03/01/2006 1041

Analysis Batch: 720-6124
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200603\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	95	98	69 - 129	3	25		
MTBE	91	103	65 - 165	13	25		
Toluene	100	104	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	104	103	77 - 121
1,2-Dichloroethane-d4	92	101	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2211-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-6124

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-2159-A-1 MS	Analysis Batch: 720-6124	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200603\
Dilution:	10		Initial Weight/Volume: 40 mL
Date Analyzed:	03/01/2006 1853		Final Weight/Volume: 40 mL
Date Prepared:	03/01/2006 1853		

MSD Lab Sample ID:	720-2159-A-1 MSD	Analysis Batch: 720-6124	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200603\0
Dilution:	10		Initial Weight/Volume: 40 mL
Date Analyzed:	03/01/2006 1916		Final Weight/Volume: 40 mL
Date Prepared:	03/01/2006 1916		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	99	99	69 - 129	0	20		
MTBE	98	95	65 - 165	1	20		
Toluene	92	103	70 - 130	11	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8	103	101	77 - 121
1,2-Dichloroethane-d4	106	97	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

ConocoPhillips Chain Of Custody Record

39448

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

720-2211

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

ConocoPhillips Work Order Number: 0927SEC001

ConocoPhillips Cost Object: WNO.0927

DATE 2/16/06

PAGE 1 of 1

SAMPLING COMPANY: SECOR International, Inc.	Valid Value ID:
ADDRESS: 3017 Kilgore Rd., Suite 100	
PROJECT CONTACT (Hardcopy or PDF Report to): Chris Bovia	
TELEPHONE: 916-861-0400 ex. 256	FAX: 916-861-0430
E-MAIL: cbovia@secor.com	
SAMPLER NAME(S) (Print): Brian Schermerhorn	CONSULTANT PROJECT NUMBER: 77CP.60927.00.0007
CONOCOPHILLIPS SITE NUMBER: Ft Bragg Bulk Plant # 0220	GLOBAL ID NO.: T0604593174
SITE ADDRESS (Street and City): 720 N. Franklin St, Ft. Bragg, CA	
EDF DELIVERABLE TO (RP or Designee): Chris Bovia	PHONE NO.: 916-861-0400
E-MAIL: cbovia@secor.com	LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 8 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP
	MW-1	2/16/06	0945	W	3		✓						
	MW-4	2/16/06	0935	W	3		✓						
	MW-3	2/16/06	0955	W	3		✓						
	Stored Water	2/16/06	1015	W	3		✓						

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°

Relinquished by (Signature): Brian Schermerhorn	Received by (Signature): Jay Hazlett	Date: 2/22/06	Time: 1450
Relinquished by (Signature):	Received by (Signature):	Date:	Time:
Relinquished by (Signature):	Received by (Signature):	Date:	Time:

9/1902 Revision

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Secor International, Inc. Job Number: 720-2211-1

LogIn Number: 2211

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

SEVERN TRENT STL

ANALYTICAL REPORT

Job Number: 720-2512-1

Job Description: Conoco Phillips # 0220, Fort Bragg

For:
Secor International, Inc.
3017 Kilgore Road
Suite 100
Rancho Cordova, CA 95670

Attention: Mr. Thomas M Potter

Dimple Sharma
Project Manager I
dsharma@stl-inc.com
03/23/2006

Project Manager: Dimple Sharma

METHOD SUMMARY

Client: Secor International, Inc. Job Number: 720-2512-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SF	SW846 8015B	
Organic Compounds in Water by Microextraction	STL-SF		SW846 3511

LAB REFERENCES:

STL-SF = STL-San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Secor International, Inc. Job Number: 720-2512-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-2512-1	MW-1	Water	03/08/2006 1325	03/09/2006 1545
720-2512-2	MW-4	Water	03/08/2006 1335	03/09/2006 1545
720-2512-3	MW-8	Water	03/08/2006 1345	03/09/2006 1545

Client: Secor International, Inc. Job Number: 720-2512-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-2512-1 Date Sampled: 03/08/2006 1325
Client Matrix: Water Date Received: 03/09/2006 1545

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-6790 Instrument ID: Varian 3900E
Preparation: 5030B Lab File ID: c:\varianws\data\200603\03
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 03/18/2006 0215 Final Weight/Volume: 10 mL
Date Prepared: 03/18/2006 0215

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	101	77 - 121
1,2-Dichloroethane-d4	118	73 - 130

Client: Secor International, Inc. Job Number: 720-2512-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-2512-2
Client Matrix: Water

Date Sampled: 03/08/2006 1335
Date Received: 03/09/2006 1545

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/18/2006 0236
Date Prepared: 03/18/2006 0236

Analysis Batch: 720-6790

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200603\03
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	790		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	102	77 - 121
1,2-Dichloroethane-d4	121	73 - 130

Client: Secor International, Inc. Job Number: 720-2512-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-2512-3 Date Sampled: 03/08/2006 1345
Client Matrix: Water Date Received: 03/09/2006 1545

8260B Volatile Organic Compounds by GC/MS

Method: 8260B Analysis Batch: 720-6790 Instrument ID: Varian 3900E
Preparation: 5030B Lab File ID: c:\varianws\data\200603\03
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 03/18/2006 0257 Final Weight/Volume: 10 mL
Date Prepared: 03/18/2006 0257

Analyte	Result (ug/L)	Qualifier	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	0.63		0.50
Gasoline Range Organics (GRO)-C6-C12	160		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8	101	77 - 121
1,2-Dichloroethane-d4	121	73 - 130

Client: Secor International, Inc. Job Number: 720-2512-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-2512-1
Client Matrix: Water

Date Sampled: 03/08/2006 1325
Date Received: 03/09/2006 1545

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3511
Dilution: 1.0
Date Analyzed: 03/20/2006 1412
Date Prepared: 03/20/2006 0526

Analysis Batch: 720-6874
Prep Batch: 720-6703

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35.00 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C9-C24]	63		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	98	60 - 130

Client: Secor International, Inc.

Job Number: 720-2512-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-2512-2
Client Matrix: Water

Date Sampled: 03/08/2006 1335
Date Received: 03/09/2006 1545

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3511
Dilution: 1.0
Date Analyzed: 03/20/2006 1439
Date Prepared: 03/20/2006 0526

Analysis Batch: 720-6874
Prep Batch: 720-6703

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35.00 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C9-C24]	1100		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	104	60 - 130

Client: Secor International, Inc. Job Number: 720-2512-1

Client Sample ID: **MW-8**

Lab Sample ID: 720-2512-3
Client Matrix: Water

Date Sampled: 03/08/2006 1345
Date Received: 03/09/2006 1545

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3511
Dilution: 1.0
Date Analyzed: 03/20/2006 1507
Date Prepared: 03/20/2006 0526

Analysis Batch: 720-6874
Prep Batch: 720-6703

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35.00 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C9-C24]	1900		50

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	87	60 - 130

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: Secor International, Inc.

Job Number: 720-2512-1

QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
GC/MS VOA				
Analysis Batch:720-6790				
LCS 720-6790/24	Lab Control Spike	Water	8260B	
LCSD 720-6790/23	Lab Control Spike Duplicate	Water	8260B	
MB 720-6790/25	Method Blank	Water	8260B	
720-2493-A-1 MS	Matrix Spike	Water	8260B	
720-2493-A-1 MSD	Matrix Spike Duplicate	Water	8260B	
720-2512-1	MW-1	Water	8260B	
720-2512-2	MW-4	Water	8260B	
720-2512-3	MW-8	Water	8260B	
GC Semi VOA				
Prep Batch: 720-6703				
LCS 720-6703/2-A	Lab Control Spike	Water	3511	
LCSD 720-6703/3-A	Lab Control Spike Duplicate	Water	3511	
MB 720-6703/1-A	Method Blank	Water	3511	
720-2512-1	MW-1	Water	3511	
720-2512-2	MW-4	Water	3511	
720-2512-3	MW-8	Water	3511	
Analysis Batch:720-6874				
LCS 720-6703/2-A	Lab Control Spike	Water	8015B	720-6703
LCSD 720-6703/3-A	Lab Control Spike Duplicate	Water	8015B	720-6703
MB 720-6703/1-A	Method Blank	Water	8015B	720-6703
720-2512-1	MW-1	Water	8015B	720-6703
720-2512-2	MW-4	Water	8015B	720-6703
720-2512-3	MW-8	Water	8015B	720-6703

Client: Secor International, Inc.

Job Number: 720-2512-1

Method Blank - Batch: 720-6790

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-6790/25
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2006 1914
Date Prepared: 03/17/2006 1914

Analysis Batch: 720-6790
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200603\03
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,2-Dichloroethane	ND		0.50
Benzene	ND		0.50
Ethanol	ND		100
Ethylbenzene	ND		0.50
MTBE	ND		0.50
TAME	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		5.0
DIPE	ND		1.0
EDB	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50
Ethyl tert-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	98	77 - 121
1,2-Dichloroethane-d4	103	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2512-1

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-6790

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-6790/24
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2006 1830
Date Prepared: 03/17/2006 1830

Analysis Batch: 720-6790
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200603\0
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-6790/23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2006 1851
Date Prepared: 03/17/2006 1851

Analysis Batch: 720-6790
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200603\031
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	88	89	69 - 129	2	25		
MTBE	99	98	65 - 165	1	25		
Toluene	89	90	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8	98	100	77 - 121
1,2-Dichloroethane-d4	110	108	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2512-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-6790

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-2493-A-1 MS	Analysis Batch: 720-6790	Instrument ID: Varian 3900E
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\varianws\data\200603\(
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	03/17/2006 2011		Final Weight/Volume: 10 mL
Date Prepared:	03/17/2006 2011		

MSD Lab Sample ID:	720-2493-A-1 MSD	Analysis Batch: 720-6790	Instrument ID: Varian 3900E
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\varianws\data\200603\0
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	03/17/2006 2032		Final Weight/Volume: 10 mL
Date Prepared:	03/17/2006 2032		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	97	88	69 - 129	10	20		
MTBE	93	83	65 - 165	11	20		
Toluene	99	89	70 - 130	11	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8	99	100	77 - 121
1,2-Dichloroethane-d4	98	97	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Secor International, Inc.

Job Number: 720-2512-1

Method Blank - Batch: 720-6703

Method: 8015B
Preparation: 3511

Lab Sample ID: MB 720-6703/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2006 1317
Date Prepared: 03/20/2006 0526

Analysis Batch: 720-6874
Prep Batch: 720-6703
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35.00 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C9-C24]	ND		50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	97	60 - 130

Laboratory Control/
Laboratory Control Duplicate Recovery Report - Batch: 720-6703

Method: 8015B
Preparation: 3511

LCS Lab Sample ID: LCS 720-6703/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2006 1045
Date Prepared: 03/20/2006 0526

Analysis Batch: 720-6874
Prep Batch: 720-6703
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35.00 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-6703/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2006 1250
Date Prepared: 03/20/2006 0526

Analysis Batch: 720-6874
Prep Batch: 720-6703
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 35.00 mL
Final Weight/Volume: 2 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C9-C24]	61	52	50 - 150	16	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	84	70	60 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

ConocoPhillips Chain Of Custody Record

39771

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

720-2512

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA 92704

ConocoPhillips Work Order Number: 0927SEC009

ConocoPhillips Cost Object: WNO.0927

DATE: 3/8/06

PAGE: 1 of 1

SAMPLING COMPANY: SECOR International, Inc.	Valid Value ID:
ADDRESS: 3017 Kilgore Rd., Suite 100	
PROJECT CONTACT (Hardcopy or PDF Report to): Erik Lawson	
TELEPHONE: 916-861-0400 ex. 280	FAX: 916-861-0430
E-MAIL: elawson@secor.com	
SAMPLER NAME(S) (Print): Brian Schoenmeman	CONSULTANT PROJECT NUMBER: 77CP.60927.07

CONOCOPHILLIPS SITE NUMBER: Ft Bragg Bulk Plant # 0220	GLOBAL ID NO.: T0604593174
SITE ADDRESS (Street and City): 720 N. Franklin St, Ft. Bragg, CA	
EDF DELIVERABLE TO (RP or Designee): Erik Lawson	PHONE NO.: 916-861-0400
E-MAIL: elawson@secor.com	LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS).
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

8260B - TPHg / BTEX / 8 Oxygenates

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW - 1	3/8/06	13:25	W	6	X	X							TEMPERATURE ON RECEIPT C° 6°C
	MW - 4	3/8/06	13:3-	W	6	X	X							
	MW - 8	3/8/06	13:45	W	6	X	X							

Relinquished by: (Signature) Brian Schoenmeman	Received by: (Signature)	Date: 3/9/06	Time: 15:45
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

9-19-03 Revision

Page 16 of 17

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Secor International, Inc. Job Number: 720-2512-1

LogIn Number: 2512

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ATTACHMENT 4
CONCENTRATION VS. TIME GRAPHS – OZONE INJECTION MONITORING WELLS

First Quarter 2006 Quarterly Summary and Monitoring Report
Bulk Plant No. 0220
720 North Franklin Street
Fort Bragg, California
SECOR Project No.: 77CP.60009.02.0220

Figure 1
MW-1 TPHg, TPHd, Benzene, and MtBE Groundwater Concentrations
ConocoPhillips Site # 0220
720 North Franklin St, Ft Bragg, California

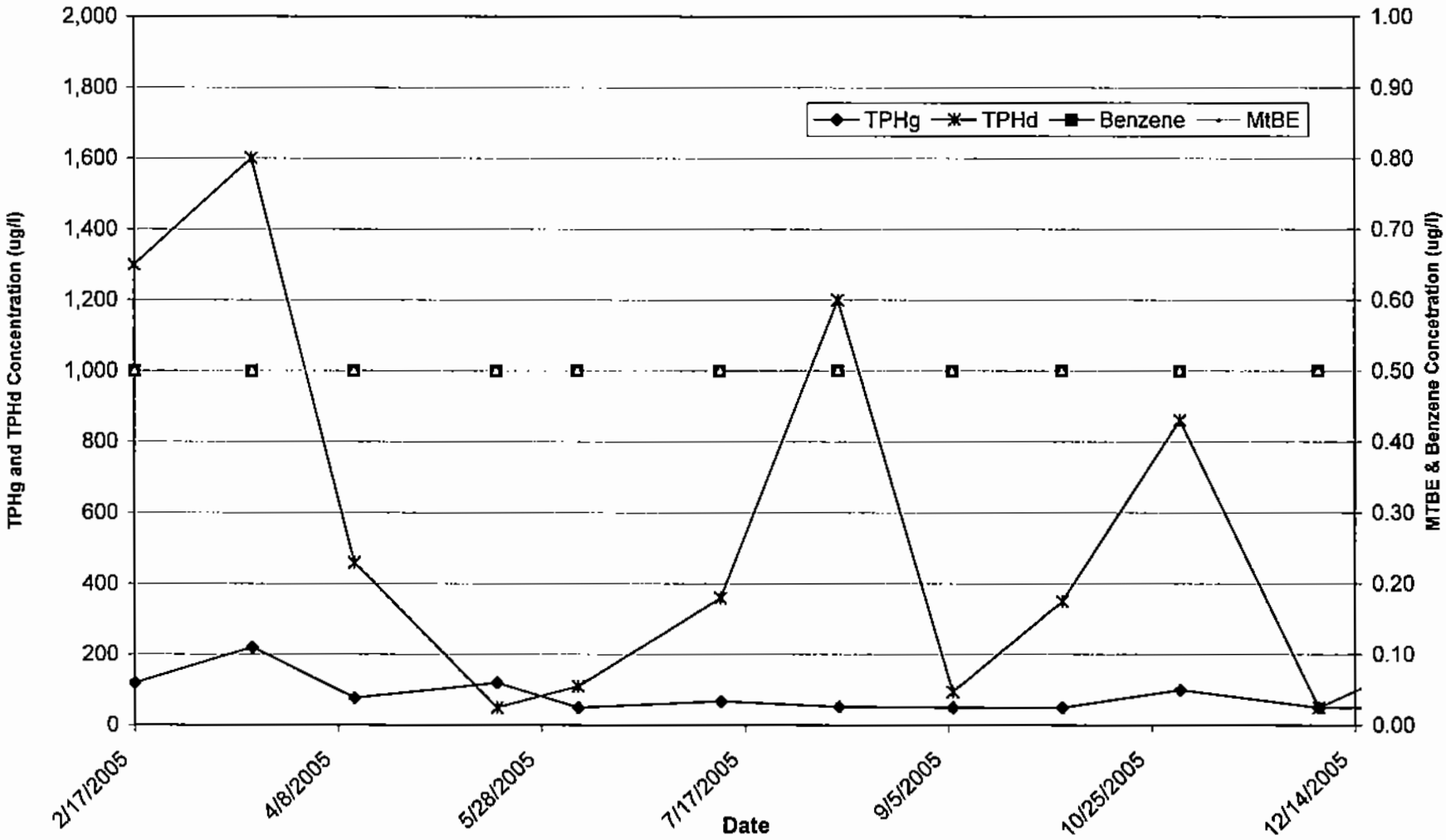


Figure 2
MW-4 TPHg, TPGd, Benzene, and MtBE Groundwater Concentrations
ConocoPhillips Site # 0220
720 North Franklin St, Ft Bragg, California

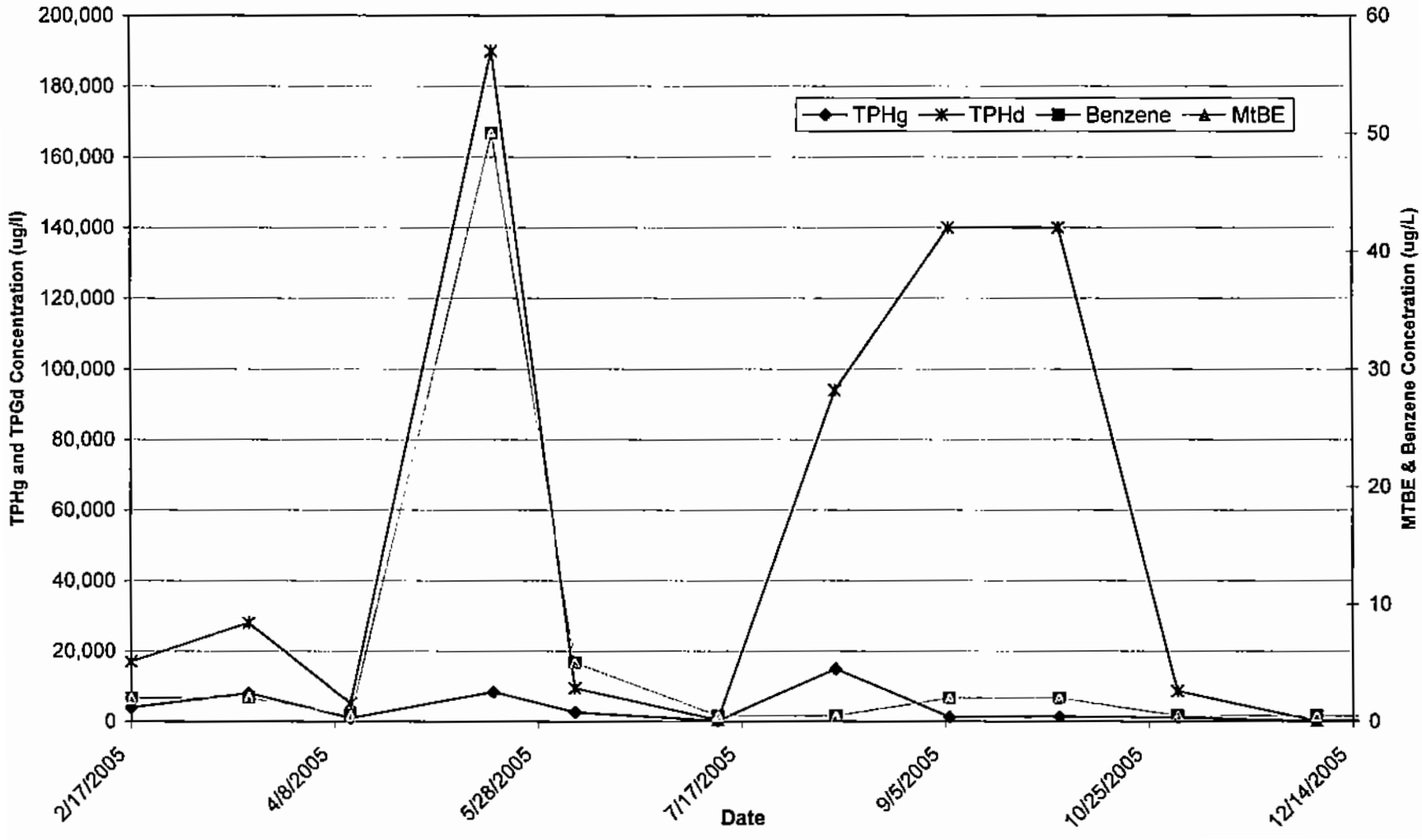


Figure 3
MW-8 TPHg, TPHd, Benzene, and MtBE Groundwater Concentrations
ConocoPhillips Site # 0220
720 North Franklin St, Ft Bragg, California